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Dept Report 40
AGRICULTURAL GRAPHICS.

A REPORT OF EXHIBITS

ILLUSTRATING

AGRICULTURAL STATISTICS

AT THE

WORLD'S INDUSTRIAL AND COTTON EXPOSITION
AT NEW ORLEANS, LA.

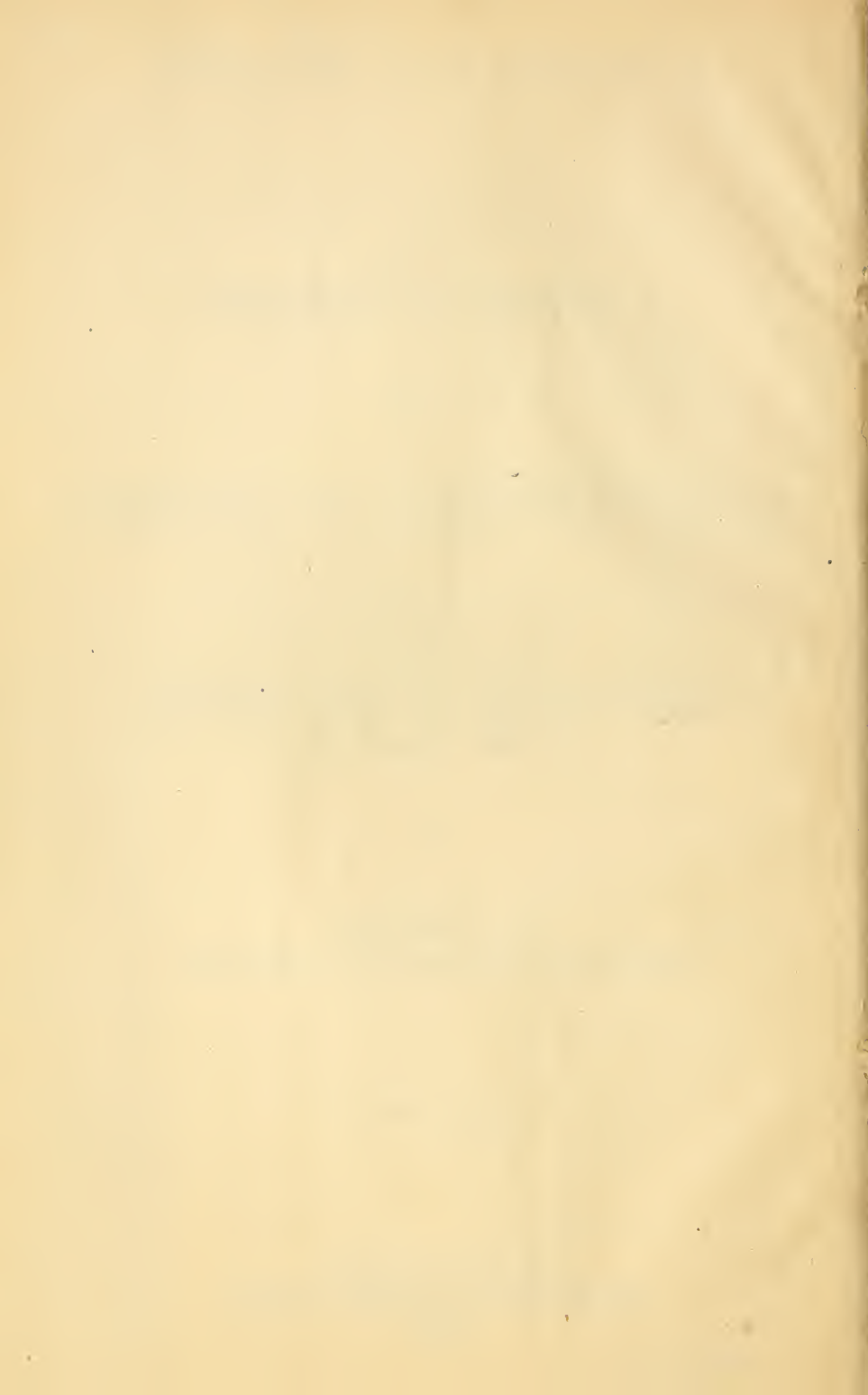
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WASHINGTON:
GOVERNMENT PRINTING OFFICE.

1885.



REPORT

ON

AGRICULTURAL GRAPHICS.

SIR: The development of statistical organization in this country during the past generation has been one of the marked features of educational progress. Every department of the National Government has its machinery for statistical investigation. The States have their organization for collating or collecting fiscal or agricultural statistics. Commercial boards and agricultural societies participate in the work of co-ordination of important data. A spirit of statistical inquiry is abroad, accompanying the schoolmaster, invading the press, and sometimes the pulpit.

What is better, and manifestly the explanation of the increased popular appreciation of the uses of statistics, the multitude no longer look with suspicion and distrust upon the collection of statistics, rendering more efficient effort possible, and paving the way for better co-operation in the work. Fifty years ago the ignorance and suspicion of the people made impossible what is now easy of acquisition. It is not long since I had occasion thus to note the lingering of such prejudices in these words:

It is well known to statisticians that in the past the greatest bar to efficiency in census work was found in the ignorance, the indifference, or the actual opposition of individuals from whom primary data must be obtained. Man, in the individuality and selfishness of his wild or savage state, has not learned to yield gracefully something of his natural rights to the general welfare of the community, and his partly-civilized brother is much inclined to resent as an impertinence the well-meaning and even beneficent attempts of the statistical inquirer. He is suspicious, and fears a tax levy if the inquirer is a Government official, and some economic disadvantage if he is a fellow-craftsman. It is wonderful to observe the lingering of some such prejudice in the minds of multitudes of no little intelligence and a degree of culture. It is gratifying to see these mists of ignorance and prejudice disappearing in the brightening light of the practical culture of the present day.

The necessity of impartial crop statistics, for the protection of farmers against attempts of speculators to depress prices temporarily for personal gain, is more and more apparent. With increase of interest in statistics there arises a persistent disposition in adventurers and sharpers to utilize it for their selfish and fraudulent purposes. "Statisticians spring up like mushrooms in every avenue of publicity, and by appropriation of results of organized work and the unfounded assumption of original effort make an exhibit that is fraudulent in its method rather than inaccurate in its estimates. Others, equally unscrupulous, with an eye to gain, distort facts to affect the markets, to elevate and depress prices, from gambling considerations. This cannot be prevented; the gambling spirit pervades the trading marts of the country; but the great body of consumers and honest middlemen should question sharply the efforts of all interested parties who aim to mold public opinion through printed circulars and the public press. They should learn to

discriminate between the true and the false, and to discount the statements that are manufactured to affect the market. These remarks apply only to statistics deliberately made for the purposes of dishonest gain. To assume that such practices are unknown would be the height of confiding simplicity. Nor is it strange that in the eager hunt for news reputable public news-gatherers should inadvertently accept the statements of interested persons concerning crop production.

"It is the province of official statistics to protect the producer and consumer, by an accurate forecast of crop production, against the speculator, who would confiscate the profits of the farmer and reduce the bread supply of the poor without giving the pretense of an equivalent. Many millions of dollars have been already saved from this piracy by official crop reports."

The best interpreter of statistics, to the popular mind, is the graphic method of illustration. It has been said to be impossible for the human mind to measure accurately and instantly the purport and true extent of a billion. To the ordinary mind the real meaning of figures is dimly perceived. Their examination, therefore, becomes intolerably "dry." It requires a statistical education to prepare one for utilizing fully statistical statements. If the eye, and through it all the perceptive faculties, can aid in measurements and comparisons the thorough understanding of the occult and mysterious figures arrayed in solid and impenetrable phalanx, the help to the novice is invaluable. To make the meaning of important facts in American agriculture so plain that he who runs through the New Orleans Exposition can read intelligently as he runs, has been the object in the preparation of the diagrams presented for exhibition by the Bureau of Statistics of the Department of Agriculture.

PROPORTION OF LAND IN FARMS.

Diagram I has no reference to relative areas in farms in the several States and Territories, but simply to the *proportion* of the superficial area of each which is occupied by farms. The horizontal lines represent percentage of the entire area, which the perpendicular lines mark, from left to right, by numbers, one, two, three, to twenty-nine.

It will be seen that the State most fully occupied is Ohio, which has only six per cent. of its land surface in town area, roads, or waste lands. The Ohio Valley stands above the older settlements, Pennsylvania, New York, or Massachusetts, in the proportion of surface in farms, Indiana having 88.9 per cent.; Illinois, 88.4. Kentucky, with 84 per cent., falls of the next place, which is taken by the little, but well occupied, State of Delaware, with 86.9 per cent. The next in order are Vermont, 83.5; Maryland, 81.1; Connecticut, 79.1; New York, 78.

The divisions having less than 28.9 per cent., the average for the United States, are Louisiana, Minnesota, Texas, Nebraska, California, Florida, Oregon, Colorado, Nevada, and all the Territories. Iowa, a new State, had already (in 1880) seven-tenths of her superficial area occupied as farms.

The mountain area of New England and the Alleghanian system, much of which is unsuitable for farming operations, depress the percentage in these old States. The average in the six Eastern States is 54.1 per cent.; in four Middle States, 72.9; in the Southern, from Maryland to Kentucky, 43.3; in the Western, to the Rocky Mountains, including Missouri and Kansas on the south, 54.4; in the Pacific and

DIAGRAM I.

Proportion of Land in Farms to Total Land Surface.





Rocky Mountain States, 7.6; in the Territories, 1.4. A large part of the elevated western areas is assumed to be unfit for general agriculture, though special culture, carefully adapted to situation and humidity, with ameliorations of irrigation and cultivation and judicious selection of plants in crop distribution, will produce results in agriculture which will surprise the farmers of to-day who live to witness the developments of twenty years.

The following is the statement on which the diagram is based:

Proportion of land in farms to total land surface.

States and Territories.	Proportion.	States and Territories.	Proportion.	States and Territories.	Proportion.
Maine.....	34.2	Alabama.....	57.2	Missouri.....	63.4
New Hampshire.....	64.6	Mississippi.....	53.5	Kansas.....	41.0
Vermont.....	83.5	Louisiana.....	28.5	Nebraska.....	20.4
Massachusetts.....	65.3	Texas.....	21.6	California.....	16.6
Rhode Island.....	74.1	Arkansas.....	35.5	Oregon.....	7.0
Connecticut.....	79.1	Tennessee.....	77.3	Nevada.....	.8
New York.....	78.0	West Virginia.....	64.6	Colorado.....	1.8
New Jersey.....	61.4	Kentucky.....	84.0	Arizona.....	.2
Pennsylvania.....	68.7	Ohio.....	94.0	Dakota.....	4.0
Delaware.....	86.9	Michigan.....	37.6	Idaho.....	.6
Maryland.....	81.1	Indiana.....	88.9	Montana.....	.4
Virginia.....	77.2	Illinois.....	88.4	New Mexico.....	.8
North Carolina.....	71.9	Wisconsin.....	44.1	Utah.....	1.2
South Carolina.....	69.7	Minnesota.....	26.4	Washington.....	3.3
Georgia.....	69.0	Iowa.....	69.7	Wyoming.....	.2
Florida.....	9.5				

The actual land areas reported, by the census of 1880, of States and farm lands in each, from which the foregoing proportions are obtained, are as follows:

States and Territories.	Land in farms.	Total land surface.	States and Territories.	Land in farms.	Total land surface.
Maine.....	6,552,578	19,132,800	Kentucky.....	21,495,240	25,600,000
New Hampshire.....	3,721,173	5,763,200	Ohio.....	24,559,226	26,086,400
Vermont.....	4,882,568	5,846,400	Michigan.....	13,807,240	36,755,200
Massachusetts.....	3,359,079	5,145,600	Indiana.....	20,420,983	22,982,400
Rhode Island.....	514,813	694,400	Illinois.....	31,673,645	35,840,000
Connecticut.....	2,453,541	3,100,800	Wisconsin.....	15,353,118	34,848,000
New York.....	23,780,754	30,476,800	Minnesota.....	13,403,019	50,691,200
New Jersey.....	2,929,773	4,771,200	Iowa.....	24,752,700	35,504,000
Pennsylvania.....	19,791,341	28,790,400	Missouri.....	27,679,276	43,990,400
Delaware.....	1,090,245	1,254,400	Kansas.....	21,417,468	52,228,000
Maryland.....	5,119,831	6,319,400	Nebraska.....	9,944,826	48,758,400
Virginia.....	19,835,785	25,680,000	California.....	16,593,742	99,827,200
North Carolina.....	22,363,558	31,091,200	Oregon.....	4,214,712	60,518,400
South Carolina.....	13,457,613	19,308,800	Nevada.....	530,862	70,233,600
Georgia.....	26,043,282	37,747,200	Colorado.....	1,165,373	66,332,800
Florida.....	3,297,324	34,713,600	Arizona.....	135,573	72,268,800
Alabama.....	18,855,334	32,985,600	Dakota.....	3,800,656	94,528,000
Mississippi.....	15,855,462	29,657,600	Idaho.....	327,798	53,945,600
Louisiana.....	8,273,506	29,068,800	Montana.....	405,683	92,998,400
Texas.....	36,292,219	167,865,600	New Mexico.....	631,131	78,374,400
Arkansas.....	12,061,547	33,948,800	Utah.....	655,524	52,601,600
Tennessee.....	20,666,915	26,720,000	Washington.....	1,409,421	42,803,200
West Virginia.....	10,193,779	15,772,800	Wyoming.....	124,433	62,448,000

The land surface of the United States makes an aggregate of 1,856,108,800 acres, of which 536,081,835 are comprised in farms. This is exclusive of the Indian Territory and Alaska.

INCREASE OF FARM ACREAGE IN THIRTY YEARS.

The farm area of the United States has nearly doubled in thirty years, increasing from 293,560,614 to 536,081,835 acres. During the first ten years the taking up of Government lands in the West and South and the State lands of Texas was active. The most fertile areas, little encroached upon in the newer settlements, were taken possession of with a certainty of appreciation in value that added intensity to the pursuit of homes obtainable at insignificant prices. The absolutely free homestead had not at that time been guaranteed by law. In the next decade the disturbing element of civil war prevented aggregate increase, the States within the theater of actual warfare declining in area, some farms being abandoned and hence not counted as farms. At the same time many of the Western States showed a considerable increase. Kansas, for instance, with 1,778,400 acres in 1860, had 5,656,879 in 1870.

Between 1870 and 1880 the new lands taken into the farm area exceeded 128,000,000 acres. Of this no less than 49,000,000 were in six divisions between the Mississippi and the Rocky Mountains. The increase was large in the South, especially in Texas, where it was nearly 18,000,000.

The proportion of unimproved land, notwithstanding the new land taken up, has been constantly decreasing. It was 61.5 per cent. in 1850; 59.9 in 1860; 53.7 in 1870; and 46.2 in 1880. The aggregates are:

Years.	Farm land.	Improved land.
1850.....	293, 560, 614	113, 032, 614
1860.....	407, 212, 538	163, 110, 720
1870.....	407, 735, 041	188, 921, 099
1880.....	536, 081, 835	284, 771, 042

Diagram II shows these areas in squares drawn to a scale of 1,000,000 acres per square inch, the improved and unimproved distinguished by different colors.

FARM VALUES OF PRODUCTS OF AGRICULTURE.

The increase of twenty years in the values of products of American agriculture has been far greater than the increase in population. Quantities have enormously increased, and values have changed, some being lower and others higher than in 1860. The principal products are shown in Diagram III in the order of their prominence. Meat, which represents ranch grass or pasturage, is first, followed by corn, wheat, hay, dairy products, cotton, poultry products, &c. Corn stood first in 1860, because the grains of the western half of the continent were unutilized, and meat production east of the Mississippi has assumed greatly enlarged proportions. A part of the corn, about half, and a small part of the hay are duplicated in the values of meats. The dairy products are principally from pasturage, and therefore do not duplicate extensively values of other items. The products represented in the

536 millions.

1880.

408 millions.

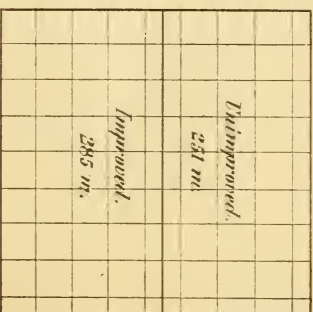
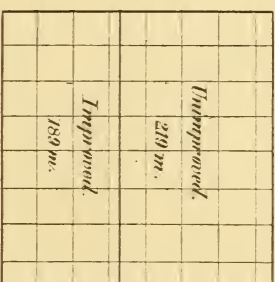
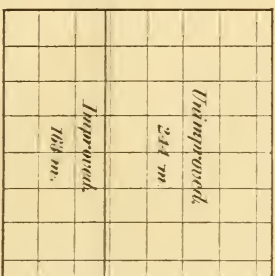
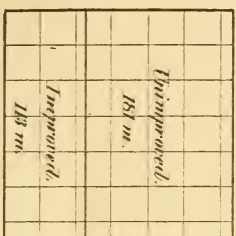
1870.

407 millions.

1860.

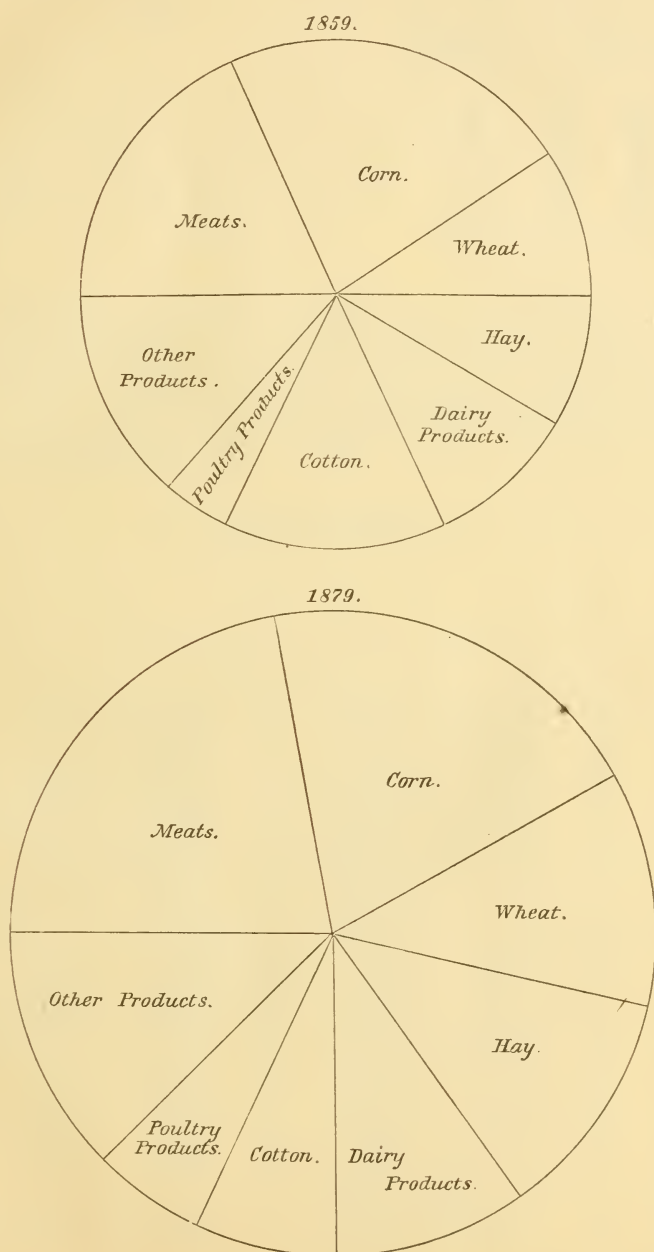
294. millions.

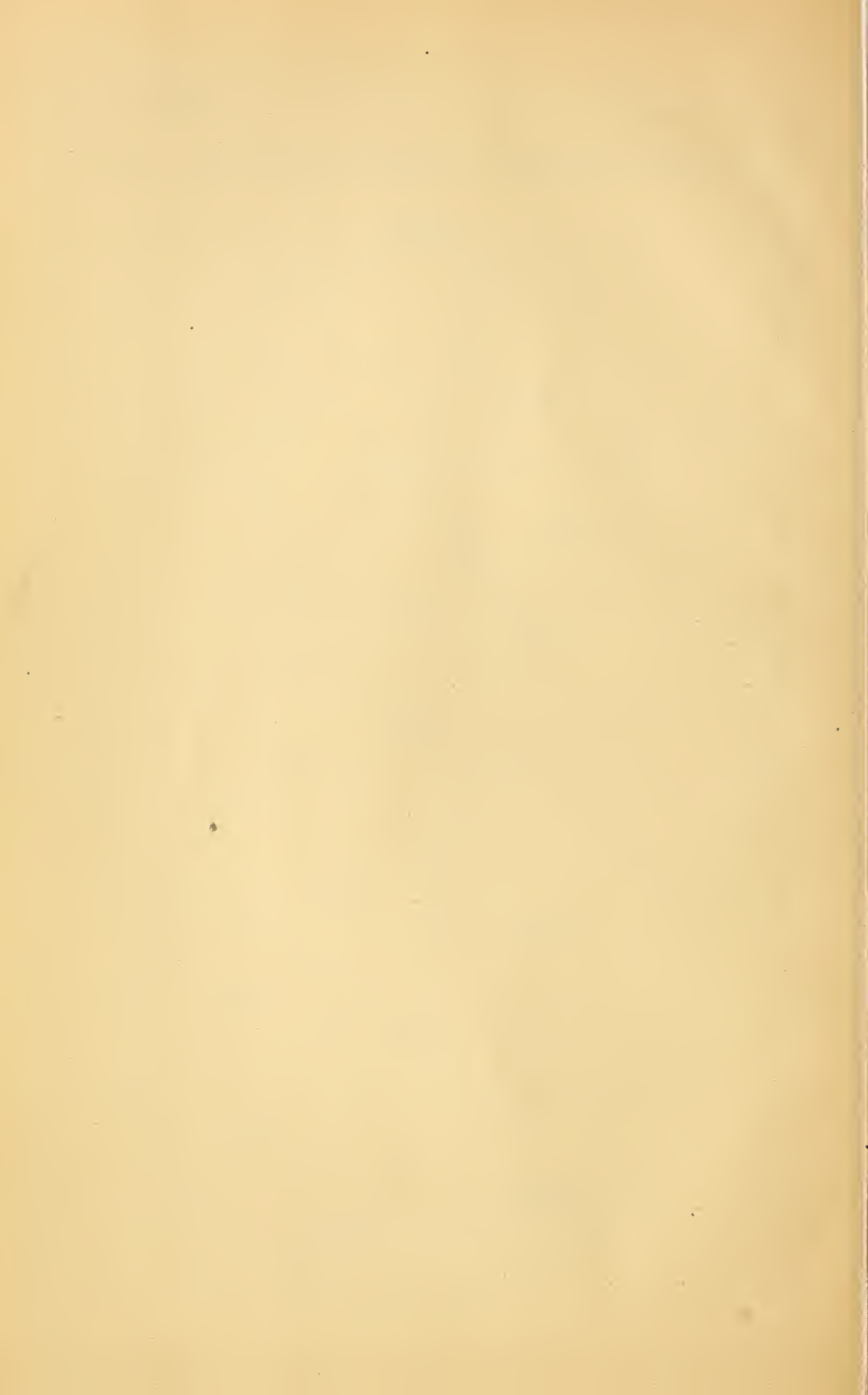
1850:



Scale, 7 millions acres per square.

Increase of Farm Values of Agricultural Products in Twenty Years.





diagram, and the proportion of each in the two periods are given in millions of dollars, as follows:

Articles.	1859.		1879.	
	Value of product.	Per cent.	Value of product.	Per cent.
Meats	300	17.9	800	21.5
Corn	361	21.5	695	18.7
Wheat	125	7.5	437	11.7
Hay	153	9.1	410	11.0
Dairy products	152	9.1	353	9.5
Cotton	212	12.6	272	7.3
Poultry products	75	4.5	180	4.8
Other products	298	17.8	579	15.5
Total	1,676	100.0	3,726	100.0

The productions of farms in detail, quantity, and value of the two periods, were substantially as in the following table, not including those of corn, straw, milk consumed in farmers' families, field crops of roots, and numerous small products, which may be held to offset the duplications of corn in meat-making and the far smaller duplications in dairying, for a vast preponderance in values of meats, butter, and cheese is derived from grass depastured.

Comparison of quantities and farm values of products of agriculture of the United States produced in 1859 and 1879.

Products.	1859.			1879.		
	Quantity.	Price.	Value.	Quantity.	Price.	Value.
Corn	838,792,740	\$0 43	\$360,680,878	1,754,591,676	\$0 39.6	\$694,818,304
Wheat	173,104,924	72	124,635,545	459,483,137	95.1	436,968,463
Oats	172,642,185	25	43,160,796	407,858,999	36	146,829,240
Rye	21,101,380	52	10,972,718	19,831,595	75.6	14,992,686
Barley	15,825,898	55	8,704,244	43,997,495	66.6	29,302,332
Buckwheat	17,571,818	58	10,191,654	11,817,327	59.4	7,019,492
Rice	187,167,032	3.5	6,550,846	110,131,373	6	6,607,882
Irish potatoes	111,148,867	40	44,459,547	169,458,539	48.3	81,848,474
Sweet potatoes	42,095,026	40	16,838,010	33,378,693	45	15,020,412
Hay	19,083,896	8 00	152,671,168	35,150,711	11 65	409,505,783
Cotton	2,274,372,309	9.3	211,616,625	2,771,797,156	9.8	271,636,121
Tobacco	434,209,461	5	21,710,473	472,661,157	8.2	38,758,215
Peas and beans	15,061,995	1 33	20,032,453	9,590,027	1 50	14,385,041
Market garden			16,159,498			21,761,250
Orchard products			19,991,885			50,876,154
Hops	10,991,996	7	769,449	26,546,378	24	6,371,131
Hemp	74,493	190 00	14,153,670	5,025	200 00	1,005,000
Flax	4,720,145	20	944,029	1,565,546	25	391,387
Flax-seed	566,867	1 00	566,867	7,170,951	1 25	8,963,689
Cane sugar hogsheads	230,982	85 00	19,633,470	178,872	90 00	16,098,480
Maple sugar	40,120,205	12	4,814,425	36,576,061	13	4,754,888
Cane molasses	14,963,996	30	4,489,199	16,573,273	35	5,800,646
Sorghum sirup	6,749,123	30	2,024,737	28,444,202	33	9,386,587
Maple sirup	1,597,589	80	1,278,071	1,796,048	1 00	1,796,048
Beeswax	1,322,787	30	396,836	1,105,689	33	364,877
Honey	25,366,357	20	4,673,271	25,743,208	22	5,663,506
Grass-seed	900,040	1 40	1,260,056	1,317,701	1 50	1,976,553
Cloverseed	956,188	5 00	4,780,940	1,922,982	6 00	11,537,892
Wines	1,627,242	50	813,621	20,000,000	60	12,000,000
Wool	75,000,000	26	19,500,000	240,681,751	28	67,390,890
Meats			300,000,000			800,000,000
Butter	500,000,000	16	80,000,000	900,000,000	21	189,000,000
Cheese	130,000,000	9.5	12,350,000	300,000,000	9.5	28,500,000
Milk, consumed	1,000,000,000	6	60,000,000	1,800,000,000	7.5	135,000,000
Poultry products			75,000,000			180,000,000
Aggregate values			1,675,724,972			3,726,331,423

OTHER INDUSTRIES INCREASE FARM VALUES.

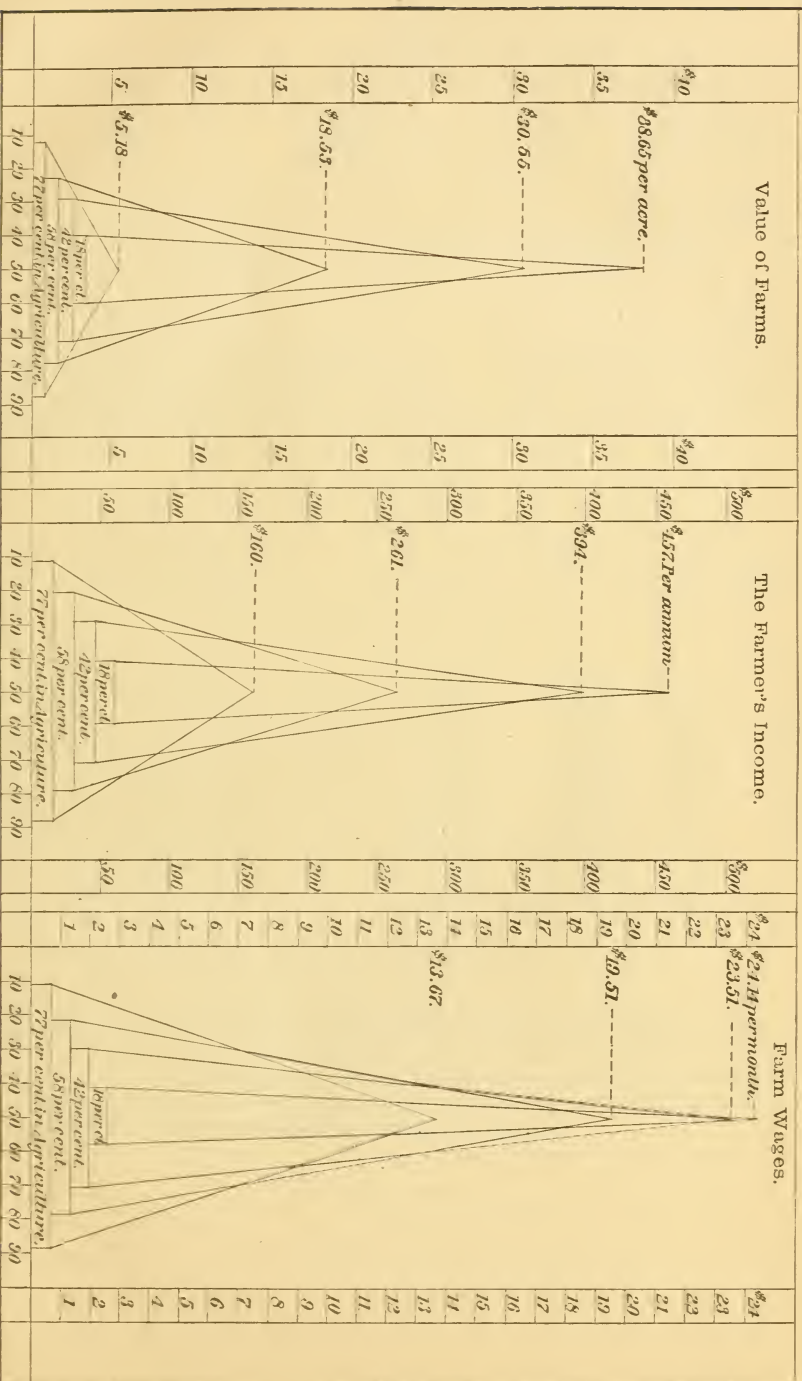
The settler in new communities, the pioneer in cultivation of wild areas, who avails himself of his opportunity to select the choicest lands, naturally and rightfully expects to be benefited in the future by increase of values. He may hope that his children will derive further advantage. His reasonable expectations are sometimes fulfilled; often they are disappointed. If the soil proves to be less fertile than more favored regions, or railway facilities are denied, settlement will be slow, roads poor, schools half supported; with such conditions prices of lands will advance with provoking tardiness. If the soil is rich and settlement rapid, till all the land is occupied, while there are no industries beyond the line of agriculture, no families dependent on their neighbors for food supplies, no mines or mills, a certain level of moderate values may be reached, but no high prices of land or products will result. This is proved by the census and other reliable facts on which the figures of Diagram IV are based, and by similar facts in the history of every country in which varied industries flourish. The statement that "other industries increase farm values" is, therefore, axiomatic rather than theoretical. The same facts, and similar data in all industrial history, show that mere increase of population does not produce the highest values. Industry, not population, creates wealth. Prices are not enhanced by the presence of paupers. Increase of farmers advances prices in new settlements; beyond a certain limit numbers may diminish prices, as in parts of India and other countries. Dense population, all employed in agriculture, can never raise prices or produce prosperity as the same population judiciously proportioned among productive industries. The increment will ever be "proportionate, not to numbers, but to productive forces in action, degree in skill, persistence in labor."

The diagram establishes this hypothesis: "*Values in agriculture are enhanced by increase of non-agricultural population.*"

It includes three similar figures, each outlining a pyramid, the base of which represents the sum of human labor in the United States, in the aggregate numbers reported by the census as employed in all occupations. Each pyramid in its structure includes four, the base of each being the percentage proportion of those engaged in agriculture to the aggregate in all occupations.

The broadest base includes all the farm lands in those States in which 70 per cent. or more are employed in agriculture; the next, all farm lands in States where 50 to 70 per cent. are so employed. The other two refer to lands of States where less than half of the labor is agricultural, 30 per cent. being the dividing line between them. The elevation represents comparative value of farm lands from one dollar upwards. All the farm lands in each of these four classes are aggregated, and an exact average of all obtained. The apex of each part of this composite pyramid indicates the average value of each class of lands. The result is striking—\$5.18 per acre for States averaging 77 per cent. in agriculture, \$13.53 where 58 per cent. are in agriculture, \$30.55 for 42 per cent., and \$38.65 for 18 per cent. employed in agriculture.

Other Industries Increase Farm Values.



The actual area and value are thus shown in these four classes of States:

Value by classes.

Classes.	Number of States and Territories.	Acres.	Value.	Value per acre.	Workers in agriculture.
					<i>Per cent.</i>
First class.....	15	77,250,742	\$2,985,641,197	\$38 65	18
Second class.....	13	112,321,257	3,430,915,767	30 55	42
Third class.....	13	237,873,040	3,212,108,970	13 53	58
Fourth class.....	6	108,636,796	562,430,842	5 15	77

The first class has 82 per cent. of all labor in industries producing nothing from the soil, and dependent on 18 per cent. employed in food production, or else upon products of other States. These are the more advanced manufacturing States, and mining States and Territories, as follows:

Values in class first.

States and Territories.	Farms.			Workers in agriculture.
	Acres.	Value.	Value per acre.	
				<i>Per cent.</i>
District of Columbia.....	18,146	\$3,632,403	\$200 18	2
Massachusetts.....	3,359,079	146,197,415	43 52	9
Rhode Island.....	514,813	25,882,079	50 27	9
Colorado.....	1,165,373	25,109,223	21 55	13
Nevada.....	530,862	5,408,325	10 19	13
Arizona.....	135,573	1,127,946	8 32	15
New Jersey.....	2,929,773	190,895,833	65 16	15
Wyoming.....	124,433	835,895	6 72	18
Connecticut.....	2,473,541	121,063,910	49 34	18
Montana.....	405,683	3,234,504	7 97	20
New York.....	23,780,754	1,056,176,741	44 41	20
Pennsylvania.....	19,791,341	975,689,410	49 30	21
California.....	16,593,742	262,651,282	15 79	21
Idaho.....	327,798	2,832,800	8 64	25
Maryland.....	5,119,831	165,503,341	32 33	28
Total.....	77,250,742	2,985,641,197	38 65	18

In the District of Columbia the farm lands are so near to a city of nearly 200,000 people that its farm lands are also suburban property, with prices beyond the mere agricultural value. The lands next in value are those of New Jersey, so near to four millions of urban population just across its borders as to make practically a lower proportion in agriculture than Massachusetts or Rhode Island.

Values in class second.

[This list includes the smaller manufacturing States and those of the West where less than half the labor is in agriculture.]

States and Territories.	Farms.			Workers in agri- culture.
	Acres.	Value.	Value per acre.	
				<i>Per cent.</i>
New Hampshire.....	3,721,173	\$75,834,389	\$20 38	31
Delaware.....	1,090,245	36,789,672	33 74	33
New Mexico.....	631,131	5,514,399	8 74	35
Maine.....	6,552,578	102,357,615	15 62	35
Utah.....	655,524	14,015,178	21 38	36
Ohio.....	24,529,226	1,127,497,353	45 97	40
Oregon.....	4,214,712	56,908,575	13 50	40
Washington.....	1,409,421	13,844,222	9 82	42
Michigan.....	13,807,240	499,103,181	36 15	42
Illinois.....	31,673,645	1,009,594,580	31 87	44
Wisconsin.....	15,353,118	357,709,507	23 30	47
Vermont.....	4,882,588	109,346,010	22 40	47
Dakota.....	3,800,656	22,401,084	5 89	49
Total.....	112,321,257	3,430,915,765	30 55	42

Values in class third.

States.	Farms.			Workers in agri- culture.
	Acres.	Value.	Value per acre.	
				<i>Per cent.</i>
Virginia.....	19,835,785	\$216,028,107	\$10 89	51
Missouri.....	27,879,276	375,633,307	13 47	51
Minnesota.....	13,403,019	193,724,260	14 45	52
Indiana.....	20,420,983	635,236,111	31 11	52
Louisiana.....	8,273,506	58,989,117	7 13	57
Iowa.....	24,752,700	567,430,227	22 92	57
Nebraska.....	9,944,826	105,932,541	10 65	59
West Virginia.....	10,193,779	133,147,175	13 06	61
Kentucky.....	21,495,240	290,298,631	13 92	62
Florida.....	3,297,324	20,291,835	6 15	64
Kansas.....	21,417,468	235,178,936	10 93	64
Tennessee.....	20,666,915	206,749,837	10 00	66
Texas.....	36,292,219	170,468,886	4 70	69
Total.....	237,873,040	3,218,168,970	13 52	58

Class third includes all States having one-half and not exceeding seven-tenths employed in agriculture, the newer States of the West, and the older and more diversified of the districts of the South.

Values in class fourth.

States.	Farms.			Workers in agri- culture.
	Acres.	Value.	Value per acre.	
				<i>Per cent.</i>
Georgia.....	26,043,282	\$111,910,540	\$4 30	72
North Carolina.....	22,363,558	135,793,602	6 07	75
South Carolina.....	13,457,613	68,677,482	5 10	75
Alabama.....	18,855,334	78,954,648	4 19	77
Mississippi.....	15,855,462	92,844,915	5 86	82
Arkansas.....	12,061,547	74,249,655	6 16	83
Total.....	108,636,796	562,430,842	5 18	77

Class four comprises the part of the South most absorbed in the cotton industry, least interested in various productions in agriculture, and least advanced in manufactures or mechanical industries.

These figures teach that mono-industrialism is stagnation and poverty, and variety in industry the life of business and assurance of prosperity.

THE FARMER'S INCOME.

In this statement of "income," net income or profit is not meant, but the reported value per head of farm production as given in the census. The statement, by classes, is as follows:

Classes.	Farms.			Workers in agri- culture.
	Acres.	Value.	Value per acre.	
First class	1,060,681	\$484,770,797	\$457	<i>Per cent.</i> 18
Second class	1,566,875	616,850,959	394	42
Third class	3,017,971	786,681,420	261	53
Fourth class	2,024,966	324,237,751	160	77

For further details, by States, and explanation of causes of local variation and modification, reference is made to Report No. 3, new series, of the Bureau of Statistics of the Department of Agriculture.

THE FARM LABORER'S WAGES.

The third figure in the diagram shows that the average wages of the farm laborer are subject to similar influences, though to a less degree, as labor is mobile and land stationary. The average wages per month, by the year, were, in 1882, respectively, \$24.14, \$23.51, \$19.51, and \$13.67.

The diagram illustrates the operation of a law in industrial economy by which the value of farm lands depends more upon the proper distribution of productive labor in industries than upon the fertility of the soil, and that the "farmer's income is highest where farms are fewest."

AVERAGE WAGES PER MONTH.

Diagram V shows the average rate of wages for farm labor by groups of States, at four different periods, viz, in 1869, 1875, 1879, and 1882. This exhibits remarkable fluctuations, from the highest rates after the war to those of the era of industrial depression, and return to specie payments, followed by an upward swing of the pendulum. These averages were:

Group.	1869.	1875.	1879.	1882.
California.....	\$46 38	\$44 50	\$41 00	\$38 25
Eastern States.....	32 08	28 96	20 21	26 61
Middle States.....	28 02	26 02	19 69	22 24
Western States.....	27 01	23 60	20 38	23 63
Southern States.....	17 21	16 22	13 31	15 30

VALUES OF FARM ANIMALS.

Diagram VI illustrates the comparative value of the animals of the farm, in 1884, by a circle which represents the aggregate value, while segments of the same, in different colors, show the relative proportion of each kind of animals. The prominence of the cattle interest is strikingly manifest, being 44.8 per cent. of the aggregate. Horses come next, with 33.8 per cent.; swine, 10; mules, 6.5; sheep, 4.9.

The values are as follows:

Horses	\$833, 734, 400
Mules	161, 214, 976
Cattle	1, 106, 715, 703
Sheep	119, 902, 706
Swine	246, 301, 139
<hr/>	
Total	2, 467, 859, 924

INCREASE OF FARM ANIMALS IN THIRTY YEARS.

Diagram VII shows the comparative numbers of horses, mules, cattle, sheep, and swine, at four decennial periods. The differences are shown by horizontal lines. The numbers are thus presented:

Stock.	1850.	1860.	1870.	1880.
Horses	4, 336, 719	6, 249, 174	7, 145, 370	10, 357, 488
Mules	559, 331	1, 151, 148	1, 125, 415	1, 812, 808
Cattle	17, 778, 907	25, 629, 019	23, 820, 608	35, 925, 511
Sheep	21, 723, 220	22, 471, 275	28, 477, 951	35, 192, 074
Swine	30, 354, 213	33, 512, 867	25, 134, 569	47, 681, 700

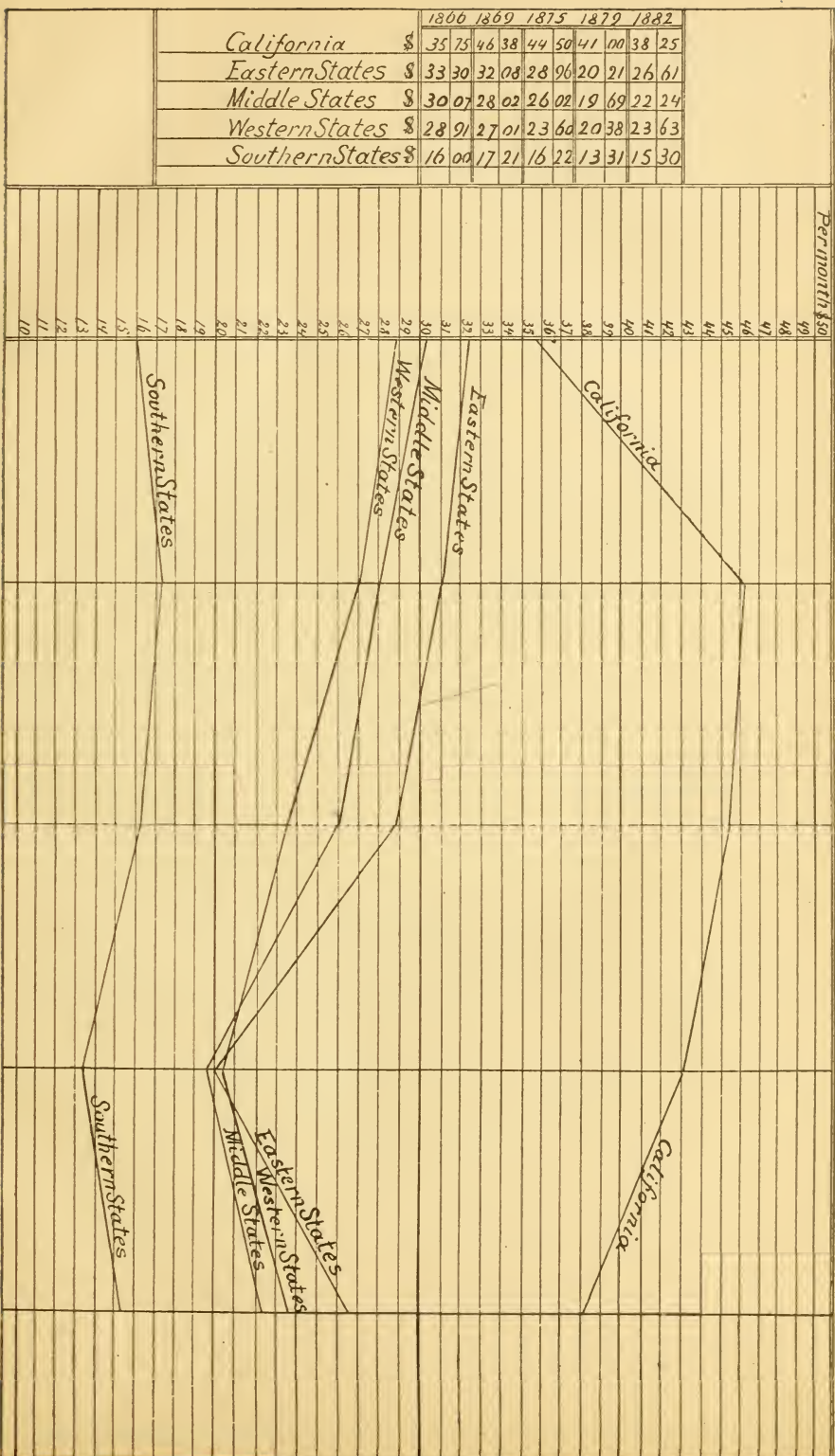
This table includes only the stock of farms, exclusive of ranches. Were animals or ranches included, the cattle and sheep of 1880 would be largely increased, and those of 1870 slightly. At the other dates, the ranch interest was scarcely appreciable.

PROGRESS OF WHEAT PRODUCTION IN THIRTY YEARS.

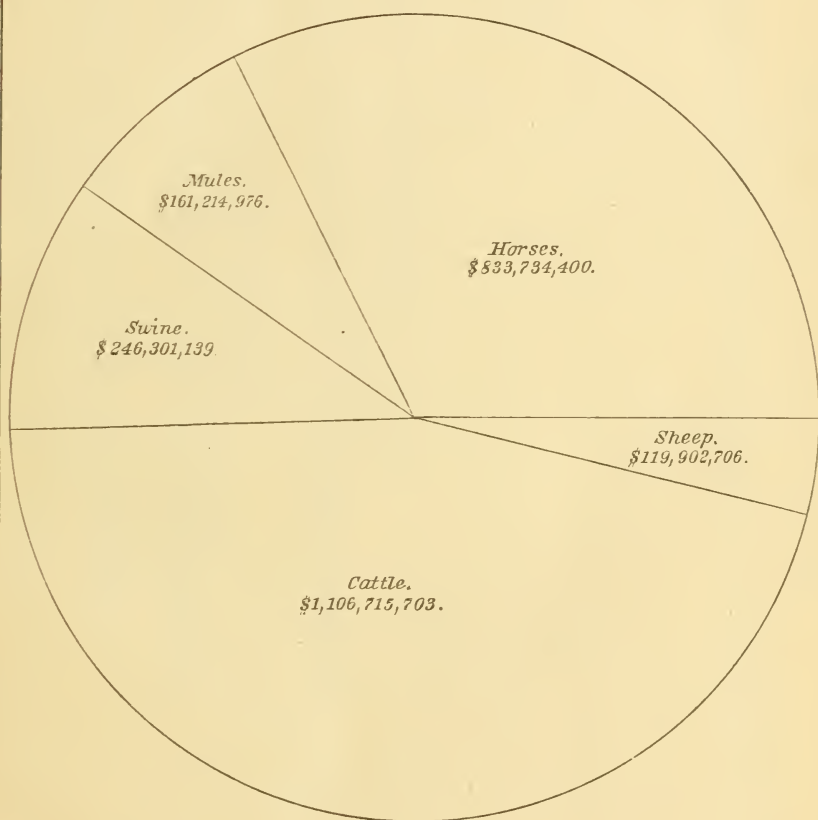
Diagram VIII compares wheat production in the ten States of highest rank in wheat-growing at each decennial census, from 1850 to 1880, and delineates conspicuously the extraordinary advance of Missouri, Ohio, Michigan, Minnesota, Iowa, and California. Two States in the list for 1879 exceed in production the whole ten of the 1849 list, and nearly equal entire crop of that year. The changes of this short period are wonderful; three States of the first list fail to appear in the ten of largest production in 1879. Pennsylvania, which was first in rank in 1849, was tenth (and last of the list) in 1879. Ten States in 1849 produced 86 per cent. of the crop; in 1859, ten produced 75 per cent.; in 1869, the list of ten represents 79 per cent., and that of 1879 three-

Average wages per month by groups of States.

DIAGRAM V.

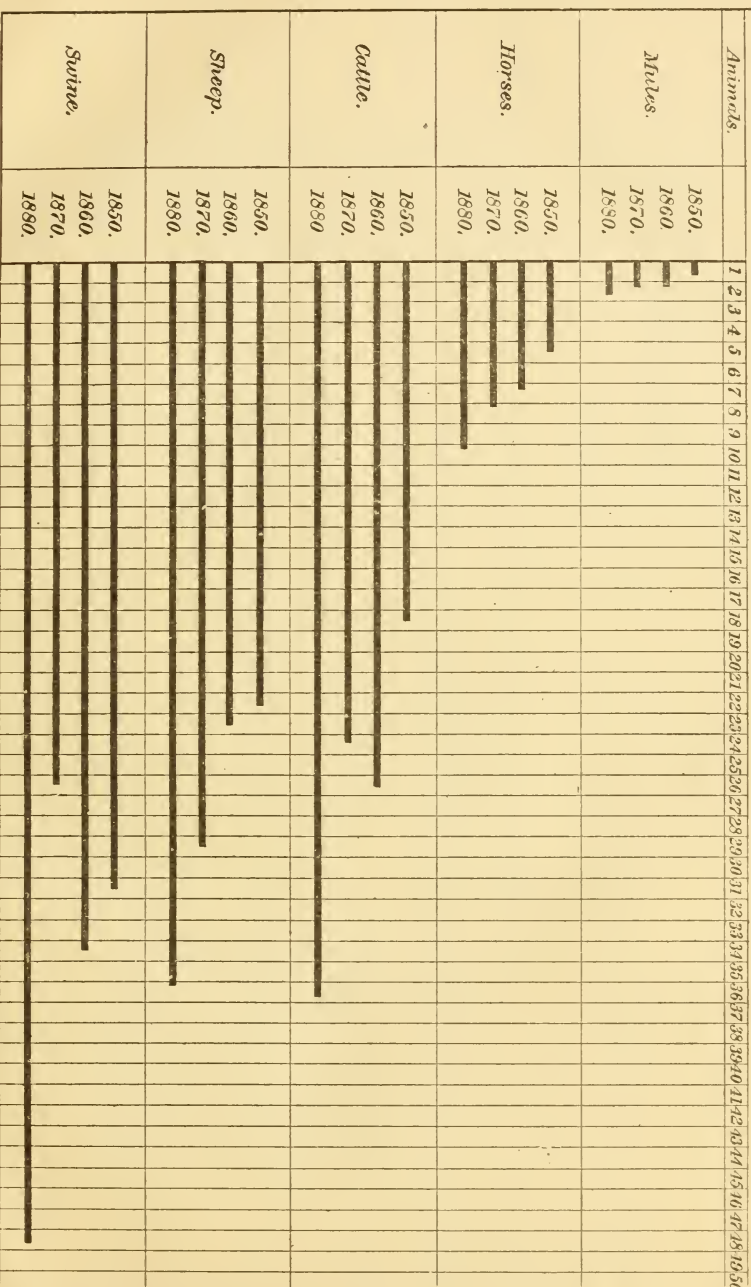


Value of Farm Animals in 1884.



Increase of Farm Animals in Thirty Years.

(Exclusive of Ranch Animals. Indicated in millions.)

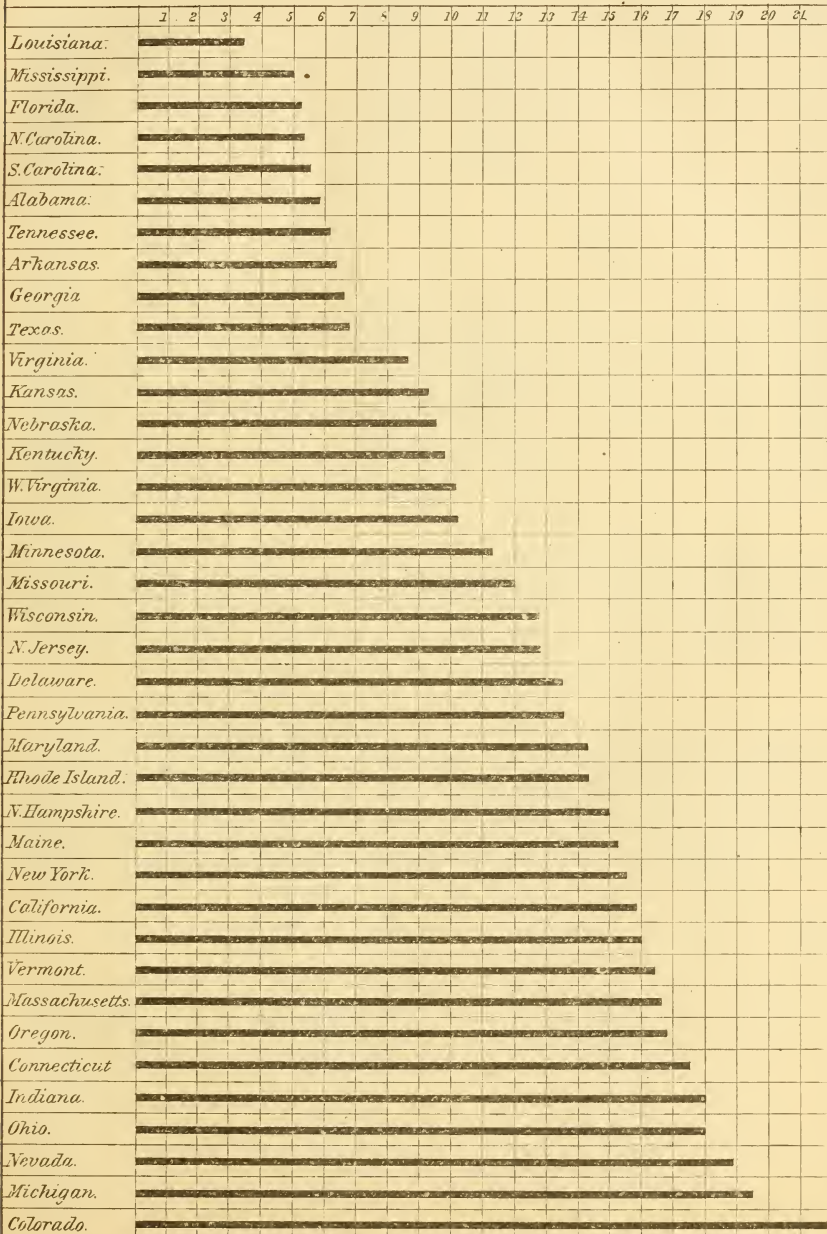


Progress of wheat production in thirty years.



DIAGRAM IX.

Yield of Wheat per Acre, 1879.



fourths of the production of the country. The following tables are the basis of the diagram:

States.	1849.	States.	1859.
	<i>Bushels.</i>		<i>Bushels.</i>
Pennsylvania.....	15,367,691	Illinois.....	23,837,023
Ohio.....	14,487,351	Indiana.....	16,848,267
New York.....	13,121,498	Wisconsin.....	15,657,458
Virginia.....	11,212,616	Ohio.....	15,119,047
Illinois.....	9,414,575	Virginia.....	13,130,977
Indiana.....	6,214,458	Pennsylvania.....	13,042,165
Michigan.....	4,925,889	New York.....	8,681,105
Maryland.....	4,494,680	Iowa.....	8,449,403
Wisconsin.....	4,286,131	Michigan.....	8,336,368
Missouri.....	2,981,652	Maryland.....	6,103,480
Total.....	86,506,541	Total.....	129,205,293

States.	1869.	States.	1879.
	<i>Bushels.</i>		<i>Bushels.</i>
Illinois.....	30,128,405	Illinois.....	51,110,502
Iowa.....	29,435,692	Indiana.....	47,284,853
Ohio.....	27,882,159	Ohio.....	46,014,869
Indiana.....	27,747,222	Michigan.....	35,532,543
Wisconsin.....	25,606,344	Minnesota.....	34,601,030
Pennsylvania.....	19,672,967	Iowa.....	31,154,205
Minnesota.....	18,866,073	California.....	29,017,707
California.....	16,676,702	Missouri.....	24,966,627
Michigan.....	16,265,773	Wisconsin.....	24,884,689
Missouri.....	14,315,926	Pennsylvania.....	19,462,405
Total.....	226,597,263	Total.....	344,029,430

The diagram brings out the fact, so generally unappreciated or unnoted, that the principal wheat region of the country is the Ohio Valley, and not the "Northwest," or the Pacific States. The undue prominence of a single crop in a State by no means fixes its rank in production.

YIELD PER ACRE OF WHEAT.

Diagram IX shows the difference in rate of yield of the States and Territories in 1879. The Ohio Valley makes the largest yields, New England about the same as the Pacific coast, and the spring-wheat region much less. The average rate of yield is small in the South, though there are instances of very heavy yields, indicating the possibilities of certain soils in that region from wheat production.

States.	Yield per acre.	States.	Yield per acre.	States.	Yield per acre.
Maine.....	15.2	South Carolina.....	5.6	Indiana.....	18.0
New Hampshire.....	15.0	Georgia.....	6.6	Illinois.....	15.9
Vermont.....	16.3	Florida.....	5.2	Wisconsin.....	12.8
Massachusetts.....	16.4	Alabama.....	5.7	Minnesota.....	11.4
Rhode Island.....	14.1	Mississippi.....	5.0	Iowa.....	10.2
Connecticut.....	17.6	Louisiana.....	3.4	Missouri.....	12.0
New York.....	15.7	Texas.....	6.8	Kansas.....	9.7
New Jersey.....	12.7	Arkansas.....	6.2	Nebraska.....	9.4
Pennsylvania.....	13.5	Tennessee.....	6.1	California.....	22.0
Delaware.....	13.4	West Virginia.....	10.2	Oregon.....	15.8
Maryland.....	14.1	Kentucky.....	9.8	Nevada.....	16.8
Virginia.....	8.7	Ohio.....	18.0	Colorado.....	18.9
North Carolina.....	5.2	Michigan.....	19.5		

PRODUCT OF WHEAT PER HEAD.

The relative prominence of wheat, as a crop, in the several political divisions, is shown by Diagram X. It illustrates the extremes of supply, from little more than half a pint to each inhabitant in Louisiana to forty-four bushels in Minnesota. It exhibits in a glaring light one aspect of specialties in agriculture, or one-idea farming. The product per head for each division in 1879 was as follows:

States.	Product per capita.	States.	Product per capita.	States.	Product per capita.
Maine.....	1.0	South Carolina.....	1.0	Indiana.....	23.9
New Hampshire.....	.5	Georgia.....	2.0	Illinois.....	16.6
Vermont.....	1.0	Florida.....	.002	Wisconsin.....	18.9
Massachusetts.....	.01	Alabama.....	1.2	Minnesota.....	44.3
Rhode Island.....	.001	Mississippi.....	.2	Iowa.....	19.2
Connecticut.....	.6	Louisiana.....	.01	Missouri.....	11.5
New York.....	2.3	Texas.....	1.6	Kansas.....	17.4
New Jersey.....	1.7	Arkansas.....	1.6	Nebraska.....	30.6
Pennsylvania.....	4.5	Tennessee.....	4.8	California.....	7.3
Delaware.....	8.0	West Virginia.....	6.5	Oregon.....	33.6
Maryland.....	8.6	Kentucky.....	6.9	Nevada.....	42.9
Virginia.....	5.2	Ohio.....	14.4	Colorado.....	1.1
North Carolina.....	2.4	Michigan.....	21.7		

EXPORTATION OF WHEAT IN FIFTY-EIGHT YEARS.

Diagram XI presents a pyramidal form illustrating both quantity and value of wheat exported since 1825, the base line measuring the value in millions of dollars on the right, and the quantity in millions of bushels on the left, while the horizontal bars furnish new bases for similar measurements for each period of five years.

The diagram also shows separately the wheat and flour exported, the latter of course reduced to bushels of wheat. Fifty years ago the exports were mainly flour; in later years grain has so preponderated that in the whole period more than six-tenths have been in unmanufactured wheat. The entire value exceeds two and a half billions of dollars; enough to buy one-fourth of the farms of the United States. Half of this value is represented by the shipments of nine years; in a single year the export has surpassed in value all the foreign trade in wheat from 1825 to 1860. The trade has been an extraordinary development, principally of a few years of European scarcity from a series of crop failures. This sudden movement has been checked, and a sharp retrograde has resulted from better crops in foreign countries, causing heavy reduction in prices of wheat. While there is no probability in European countries, of a home supply equal to that of thirty years ago, there is no prospect of high prices for wheat in the immediate future.

DIAGRAM X.

Product of Wheat Per Capita, 1879.



and flour.

Bushels.

50,209,212

72,516,713

106,837,059

178,445,844

260,640,389

378,840,302

615,435,874

754,518,163

,062,415,747

,135,198,673

,190,570,776

,280,728,735

,428,426,384

,608,730,564

795,052,078

916,944,467

064,755,783

tal value of
wheat and
flour.

\$24,820,844

54,905,853

83,954,877

VALUE
DOLLARS.

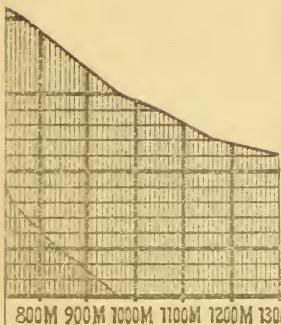
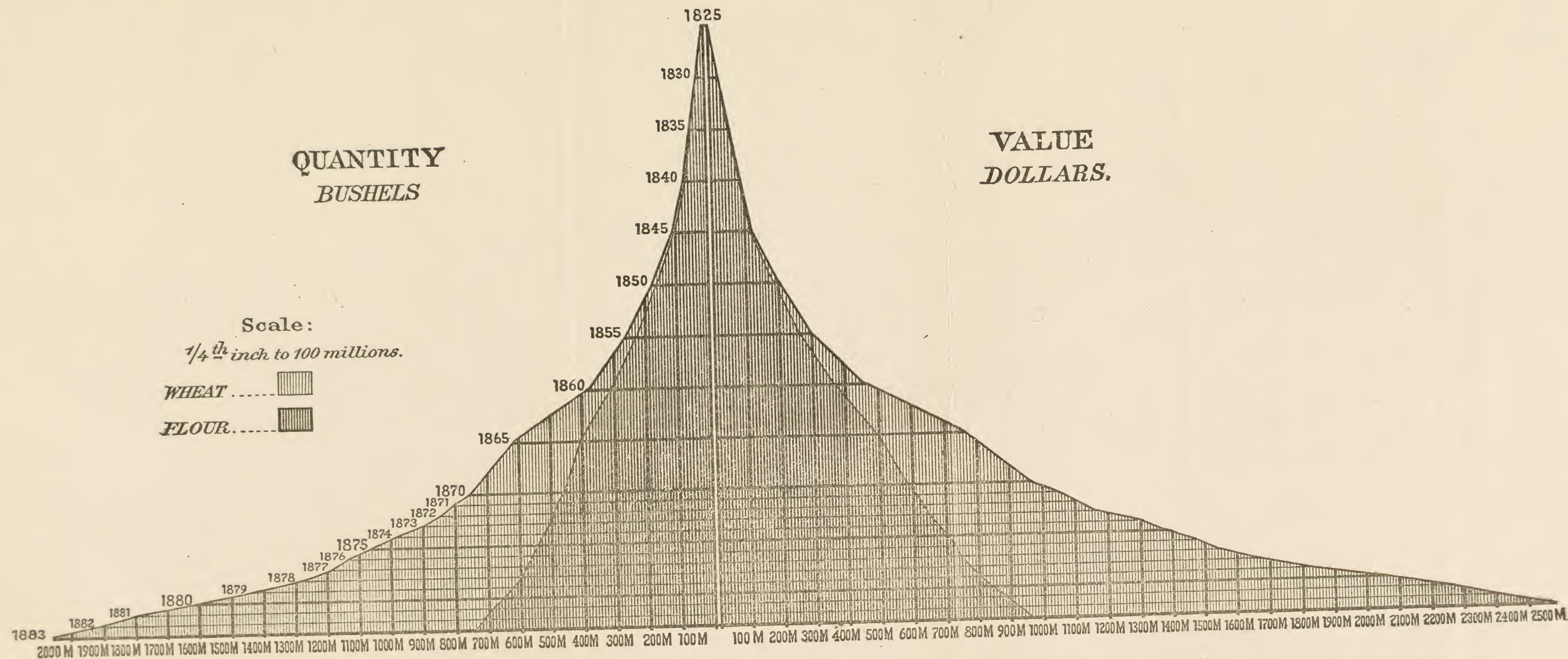


DIAGRAM XI.

Export of wheat in fifty-eight years.



The exhibit is founded on the following data, compiled from official records of exportation:

Quantity of exports of wheat and flour.

Years.	Wheat.		Flour.		Total wheat and flour.	
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
1830.....	125,547		23,259,700		23,385,247	
1835.....	614,145		26,209,820		26,823,965	
		739,692		49,469,520		50,209,212
1840.....	739,692		49,469,520		50,209,212	
	1,842,841		20,464,660		22,307,501	
		2,582,533		69,934,180		72,516,713
1845.....	2,582,533		69,934,180		72,516,713	
	2,946,861		31,373,485		34,320,346	
		5,529,394		101,307,665		106,837,059
1850.....	5,529,394		101,307,665		106,837,059	
	10,184,645		61,424,140		71,608,785	
		15,714,039		162,731,805		178,445,844
1855.....	15,714,039		162,731,805		178,445,844	
	16,446,955		65,747,590		82,194,545	
		32,160,994		228,479,395		260,640,389
1860.....	32,160,994		228,479,395		260,640,389	
	38,808,573		78,891,340		117,699,913	
		70,969,567		307,370,735		378,340,302
1865.....	70,969,567		307,370,735		378,340,302	
	138,306,907		98,788,665		237,095,572	
		209,276,474		406,159,400		615,435,874
1870.....	209,276,474		406,159,400		615,435,874	
	81,808,364		57,273,925		139,082,289	
		291,084,838		463,433,325		754,518,163
1875.....	291,084,838		463,433,325		754,518,163	
	224,019,374		83,878,210		307,897,584	
		515,104,212		547,311,535		1,062,415,747
1876.....	515,104,212		547,311,535		1,062,415,747	
	55,073,122		17,709,804		72,782,926	
		570,177,334		565,021,339		1,135,198,673
1877.....	570,177,334		565,021,339		1,135,198,673	
	40,325,611		15,043,492		55,372,103	
		610,502,945		580,067,831		1,190,570,776
1878.....	610,502,945		580,067,831		1,190,570,776	
	72,404,961		17,762,998		90,167,959	
		682,907,906		597,830,829		1,280,738,735
1879.....	682,907,906		597,830,829		1,280,738,735	
	122,353,936		25,333,713		147,687,649	
		805,261,842		623,164,542		1,428,426,384
1880.....	805,261,842		623,164,542		1,428,426,384	
	153,252,795		27,051,385		180,304,180	
		958,514,637		650,215,927		1,608,730,564
1881.....	958,514,637		650,215,927		1,608,730,564	
	150,565,477		35,756,037		186,321,514	
		1,109,080,114		685,971,964		1,795,052,078
1882.....	1,109,080,114		685,971,964		1,795,052,078	
	95,271,802		26,620,567		121,892,389	
		1,204,351,916		712,592,551		1,916,944,467
1883.....	1,204,351,916		712,592,551		1,916,944,467	
	106,385,828		41,425,488		147,811,316	
		1,310,737,744		754,018,039		2,064,755,783
Total...	1,310,737,744		754,018,039		2,064,755,783	

Value of exports of wheat and flour.

Years.	Wheat.		Flour.		Total value of wheat and flour.
	Value.	Value.	Value.	Value.	
1830	\$112,754		\$24,708,090		\$24,820,844
1835	737,365		29,347,649	\$54,055,739	
		\$850,119			54,905,858
	850,119		54,055,739		
1840	1,817,067		27,231,952		
		2,667,186		\$1,287,691	83,954,877
	2,667,186		81,287,691		

Value of exports of wheat and flour—Continued.

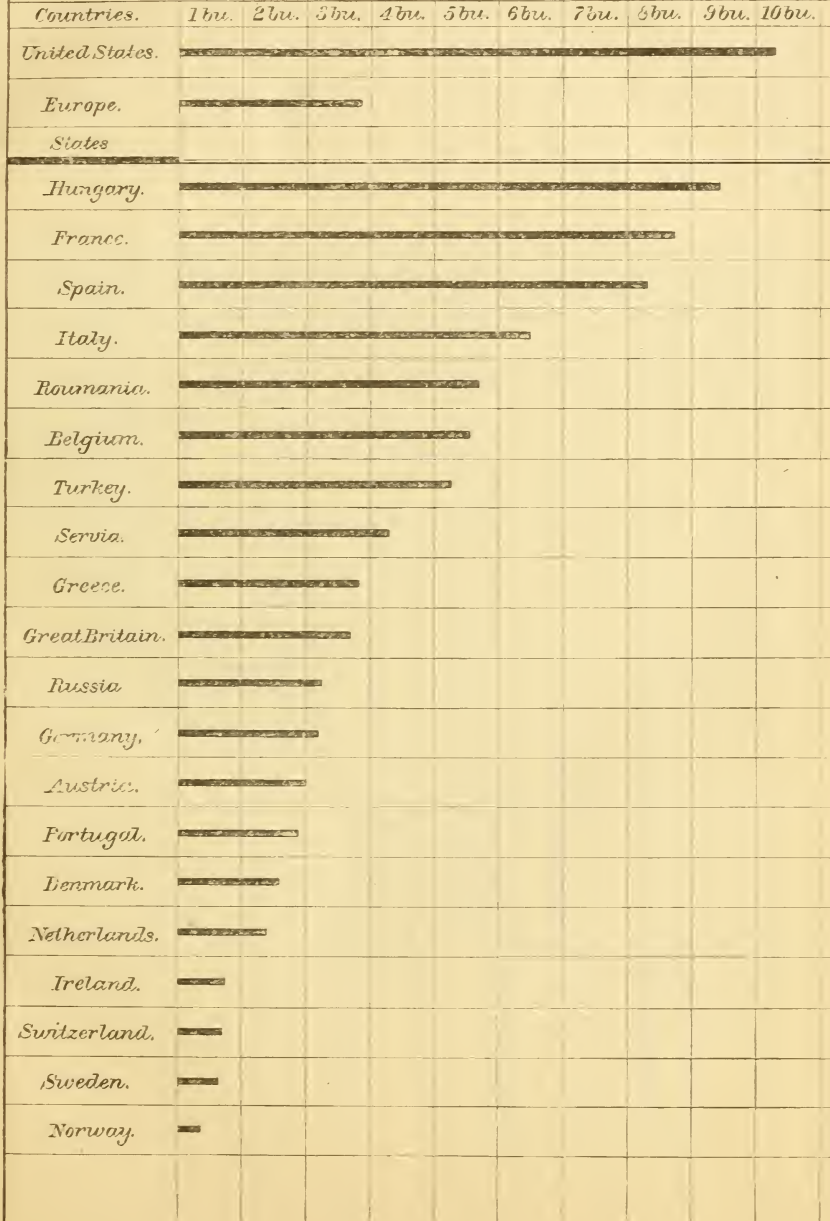
Years.	Wheat.		Flour.		Total value of wheat and flour.
	Value.	Value.	Value.	Value.	
1845	\$2, 900, 785		\$31, 056, 156		
	5, 567, 971	\$5, 567, 971	112, 343, 847	\$112, 343, 847	\$117, 911, 818
1850	12, 801, 093		69, 375, 741		
	18, 369, 064	18, 369, 064	181, 719, 588	181, 719, 588	200, 088, 652
1855	21, 864, 762		75, 775, 220		
	40, 233, 826	40, 233, 826	257, 494, 808	257, 494, 808	297, 728, 634
1860	53, 343, 918		104, 368, 446		
	93, 577, 744	93, 577, 744	361, 863, 254	361, 863, 254	455, 440, 998
1865	178, 470, 444		133, 356, 875		
	272, 048, 188	272, 048, 188	495, 220, 129	495, 220, 129	767, 268, 317
1870	117, 527, 424		92, 071, 717		
	389, 575, 612	389, 575, 612	587, 291, 846	587, 291, 846	976, 867, 458
1875	296, 540, 060		114, 398, 700		
	686, 115, 672	686, 115, 672	701, 690, 546	701, 690, 546	1, 387, 806, 218
1876	68, 382, 899		24, 433, 470		
	754, 498, 571	754, 498, 571	726, 124, 016	726, 124, 016	1, 480, 622, 587
1877	47, 135, 562		21, 663, 947		
	801, 634, 133	801, 634, 133	747, 787, 963	747, 787, 963	1, 549, 422, 096
1878	96, 872, 016		25, 095, 721		
	898, 506, 149	898, 506, 149	772, 883, 684	772, 883, 684	1, 671, 389, 833
1879	130, 701, 079		29, 567, 713		
	1, 029, 207, 228	1, 029, 207, 228	802, 451, 397	802, 451, 397	1, 831, 658, 625
1880	190, 546, 305		35, 333, 197		
	1, 219, 753, 533	1, 219, 753, 533	837, 784, 594	837, 784, 594	2, 057, 538, 127
1881	167, 698, 485		45, 047, 257		
	1, 387, 452, 018	1, 387, 452, 018	882, 831, 851	882, 831, 851	2, 270, 283, 869
1882	112, 929, 718		36, 375, 055		
	1, 500, 381, 736	1, 500, 381, 736	919, 206, 906	919, 206, 906	2, 419, 588, 642
1883	119, 879, 341		54, 824, 459		
	1, 620, 261, 077	1, 620, 261, 077	974, 031, 365	974, 031, 365	2, 594, 292, 442
Total	1, 620, 261, 077		974, 031, 365		

PRODUCT PER HEAD OF THE WHEAT OF EUROPE AND UNITED STATES.

The comparative production of wheat in this and European countries in relation to population is the subject of Diagram XII. It does not include supplies by importation, but shows what is done by farmers of each country to supply the population of each. It is shown by the common linear method, the number of bushels per head being indicated by horizontal lines, which are crossed by perpendicular lines to mark the number of bushels.

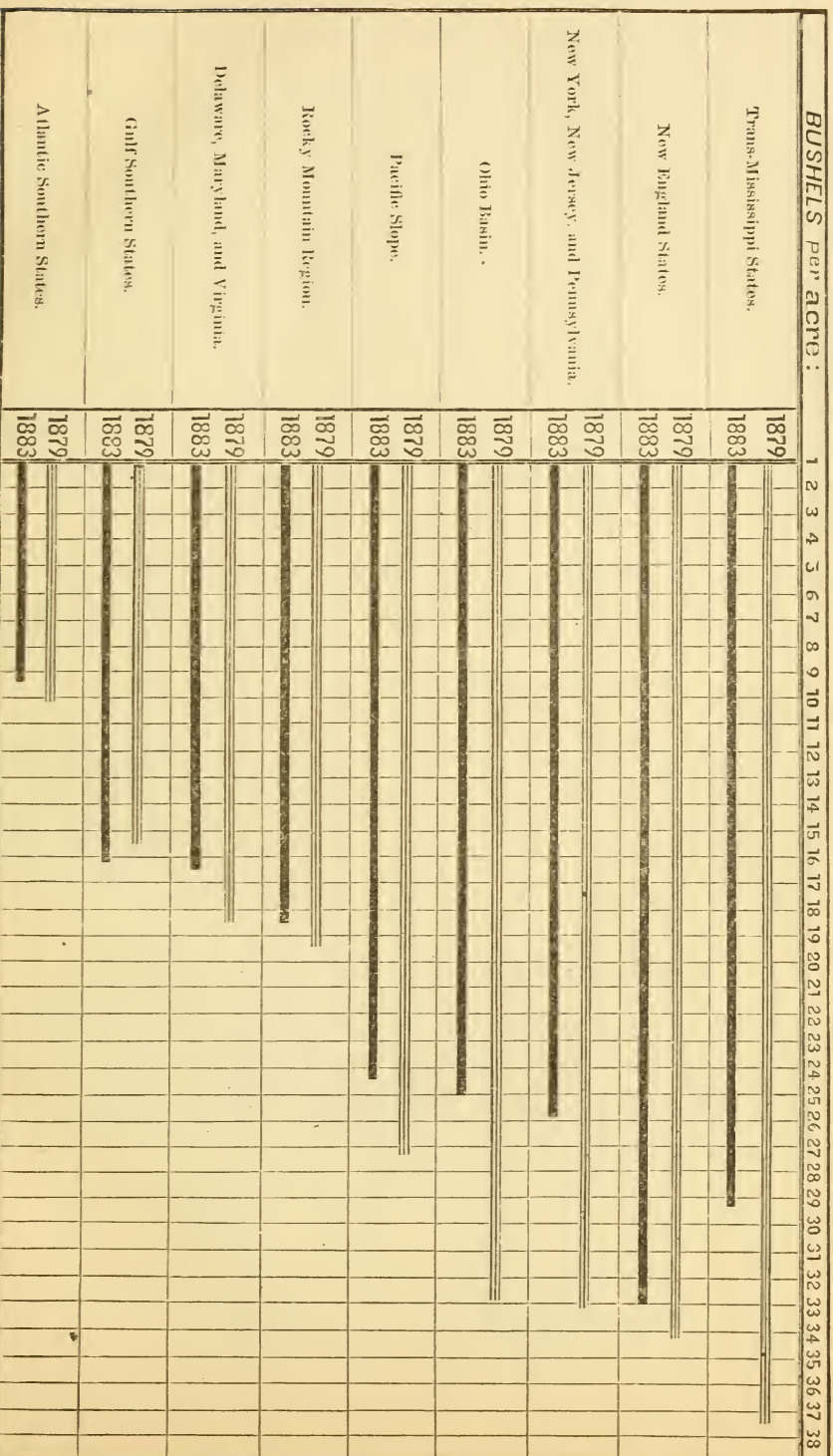
There are features in this exhibit calculated to surprise the uninitiated. For instance, Russia, the principal competitor of this country in wheat exportation, has only 2.1 bushels per head, while the United States had 9.2 in 1879, the census year. The reason is Russia exports wheat and eats but little of it, using rye instead. Germany has the same relative supply, and she uses rye rather than wheat for bread. Hungary, France, and Spain stand in the front rank as to supply per head.

Product per Head of the Wheat of Europe and the United States.



Yield of corn in 1879 and 1883, by groups of States.

DIAGRAM XIII.





The following table shows the quantity produced, the population, and rate of supply in the states of Europe :

Countries.	Wheat.	Per head.	Population.
	<i>Bushels.</i>		
Austria	44,543,126	2.0	22,316,507
Hungary	131,746,878	8.4	15,642,102
Belgium	24,990,030	4.5	5,58,846
Denmark	3,102,821	1.5	2,018,432
France	294,400,346	7.8	37,672,048
Germany	93,823,048	2.1	45,213,207
Great Britain	82,265,783	2.7	30,192,220
Ireland	3,874,155	.8	5,097,730
Greece	4,370,619	2.8	1,560,090
Italy	155,012,168	5.4	28,459,451
Netherlands	5,439,534	1.3	4,172,971
Portugal	7,577,088	1.9	3,996,163
Roumania	25,000,000	4.7	5,376,000
Russia	171,389,856	2.1	83,000,349
Servia	4,086,720	3.3	1,250,000
Spain	117,563,372	7.3	16,000,000
Sweden	3,100,779	.7	4,579,115
Norway	284,703	.2	1,818,853
Switzerland	2,145,528	.8	2,669,133
Turkey	40,867,200	4.2	9,800,100
Total for Europe	1,215,609,783	3.7	327,020,132
Total for United States (1879)	459,483,137	9.2	50,155,783

YIELD OF CORN IN 1879 AND 1883 IN GROUPS OF STATES.

Diagram XIII compares, by groups of States, the corn yield of 1879 and 1883. It is as follows :

Group.	1879.	1883.
Trans-Mississippi States	37.5	29.4
New England States	34.3	33.0
New York, New Jersey, and Pennsylvania	33.2	25.9
Ohio basin	32.9	25.0
Pacific slope	27.4	24.5
Rocky Mountain region	19.5	18.6
Delaware, Maryland, and Virginia	18.6	16.6
Gulf Southern States	15.6	16.3
Atlantic Southern States	10.2	9.5

ANNUAL VARIATION IN YIELD OF CORN.

Diagram XIV shows the average yield per acre of the entire area in corn, as estimated for fourteen years past. It shows that five crops have been under the average rate of yield (of 26 bushels), seven over an average, and two, 1876 and 1884, as near as possible to such average. Only two years in the ten between 1870 and 1880 had short crops, with only one since that rose to a medium rate of yield. The figures are as follows :

Years.	Yield per acre.	Years.	Yield per acre.	Years.	Yield per acre.
1871	29.1	1876	26.1	1881	18.6
1872	30.7	1877	26.6	1882	24.6
1873	23.8	1878	26.9	1883	22.7
1874	20.7	1879	29.2	1884	26.0
1875	29.4	1880	27.6		

YIELD PER ACRE OF CORN.

Diagram XV indicates, by States, the yield per acre of corn in the last census year. There are annual variations in yield, from drought or other causes, so that the State which occupies the first place in a given year may be preceded by several States in the following season. In 1879 Iowa stood first and Nebraska second in rank. The basis of this diagram is as follows:

States.	Yield per acre.	States.	Yield per acre.	States.	Yield per cent.
Maine.....	31.0	South Carolina.....	9.0	Indiana.....	31.4
New Hampshire.....	36.9	Georgia.....	9.0	Illinois.....	36.1
Vermont.....	36.5	Florida.....	8.8	Wisconsin.....	33.7
Massachusetts.....	33.7	Alabama.....	12.4	Minnesota.....	33.8
Rhode Island.....	31.4	Mississippi.....	13.6	Iowa.....	41.6
Connecticut.....	33.7	Louisiana.....	13.3	Missouri.....	36.2
New York.....	33.2	Texas.....	11.8	Kansas.....	30.9
New Jersey.....	32.4	Arkansas.....	18.6	Nebraska.....	40.1
Pennsylvania.....	33.4	Tennessee.....	21.6	California.....	27.8
Delaware.....	19.3	West Virginia.....	24.9	Oregon.....	22.5
Maryland.....	24.0	Kentucky.....	24.1	Nevada.....	26.5
Virginia.....	16.5	Ohio.....	34.1	Colorado.....	19.8
North Carolina.....	12.2	Michigan.....	35.3		

PRODUCT PER HEAD OF CORN.

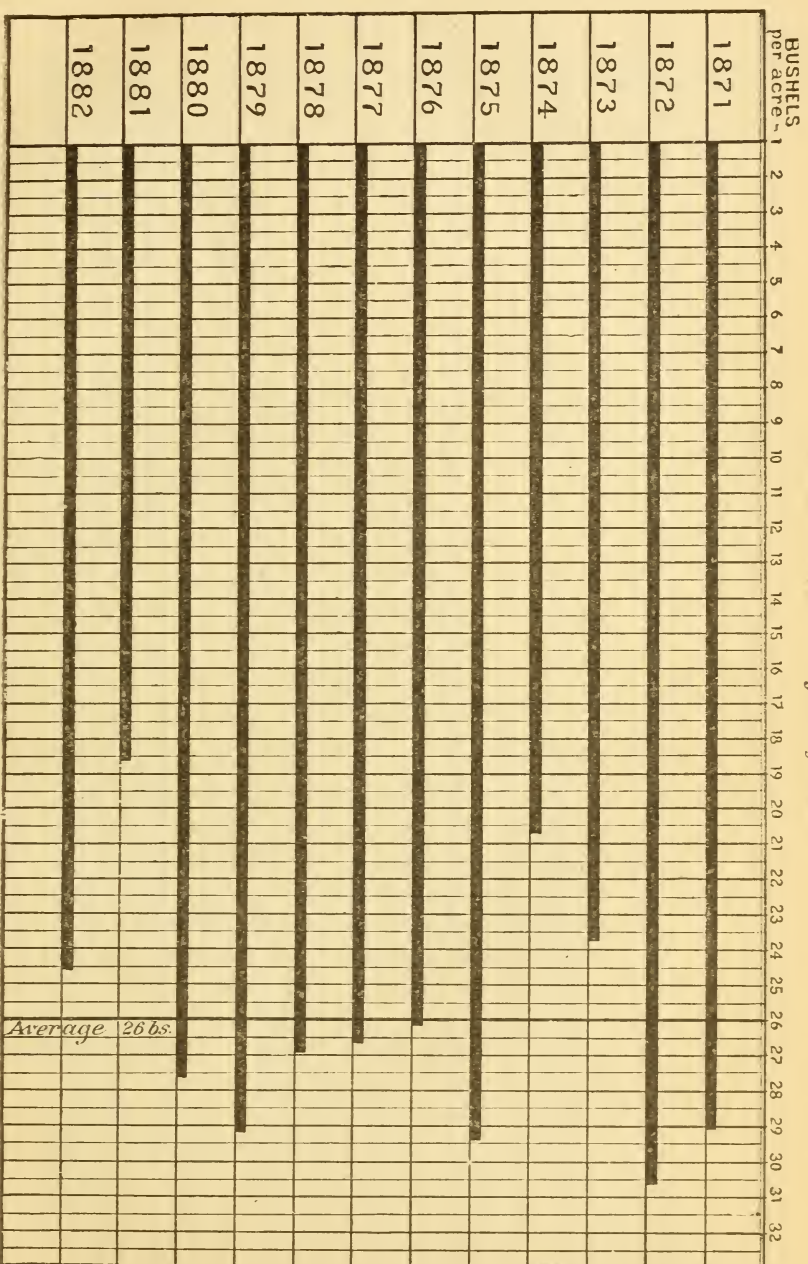
The distribution of corn is general. There is no State or Territory in which it is not grown, yet in Massachusetts in 1879 the product is only one bushel to each inhabitant, while 169 bushels per head were grown in Iowa. Nebraska, Kansas, and Illinois are next in rank, each having a supply exceeding one hundred bushels to each inhabitant, or five hundred bushels to each family. Only one other State has half as much; Indiana has fifty-eight. The supply is thus given by States in Diagram XVI:

States.	Supply per head.	States.	Supply per head.	States.	Supply per head.
Maine.....	1.5	South Carolina.....	11.8	Indiana.....	58.4
New Hampshire.....	3.9	Georgia.....	15.0	Illinois.....	105.9
Vermont.....	6.1	Florida.....	11.8	Wisconsin.....	26.0
Massachusetts.....	1.0	Alabama.....	20.2	Minnesota.....	19.0
Rhode Island.....	1.3	Mississippi.....	18.8	Iowa.....	169.3
Connecticut.....	3.0	Louisiana.....	10.5	Missouri.....	93.4
New York.....	5.1	Texas.....	18.3	Kansas.....	106.1
New Jersey.....	9.9	Arkansas.....	30.1	Nebraska.....	144.7
Pennsylvania.....	10.7	Tennessee.....	40.7	California.....	2.3
Delaware.....	26.6	West Virginia.....	22.8	Oregon.....	0.7
Maryland.....	17.1	Kentucky.....	44.2	Nevada.....	0.2
Virginia.....	19.2	Ohio.....	34.9	Colorado.....	2.3
North Carolina.....	20.0	Michigan.....	19.8		

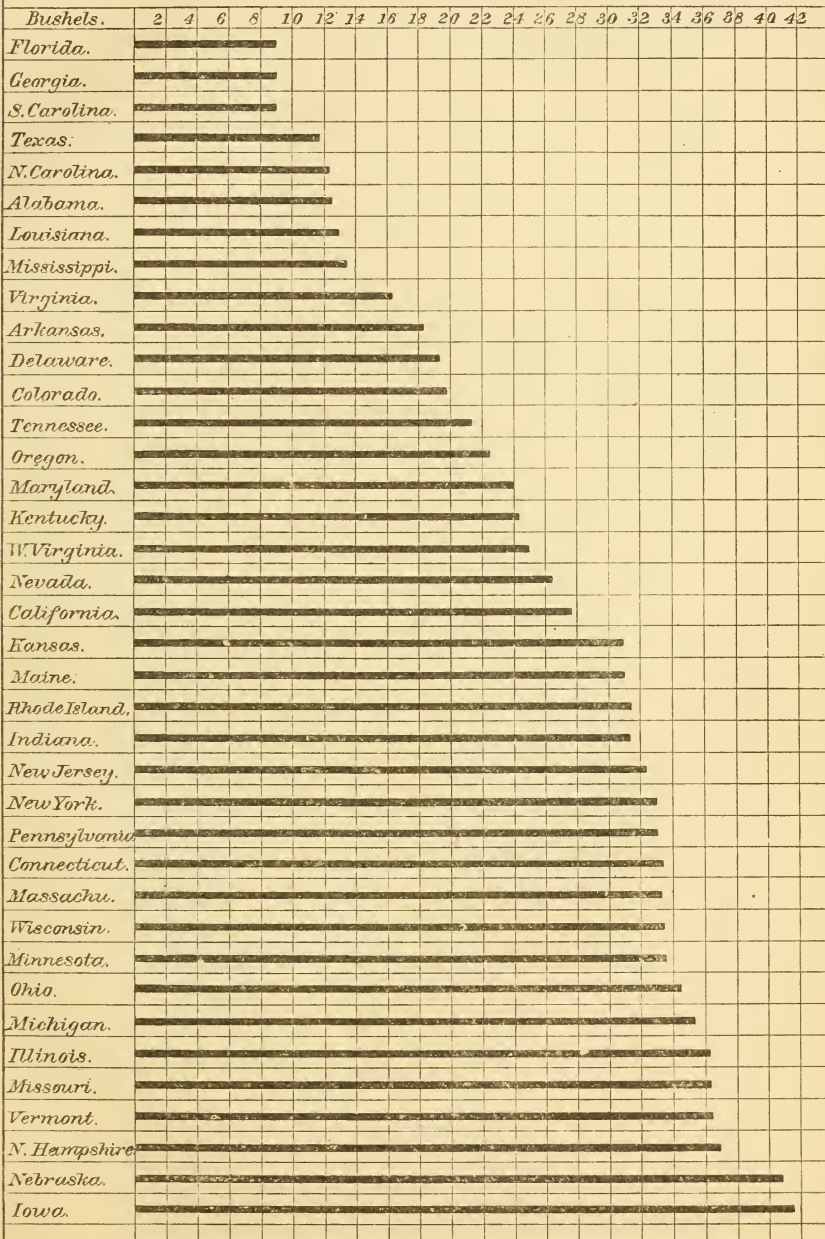
PROGRESS OF CORN PRODUCTION.

Diagram XVII presents in graphic outline the movement of corn-growing in thirty years, at four decennial periods, in ten States of principal production, at each census. It shows the center of production moving northward as well as westward. In 1849 six-tenths of the crop

Annual variation in yield of corn.

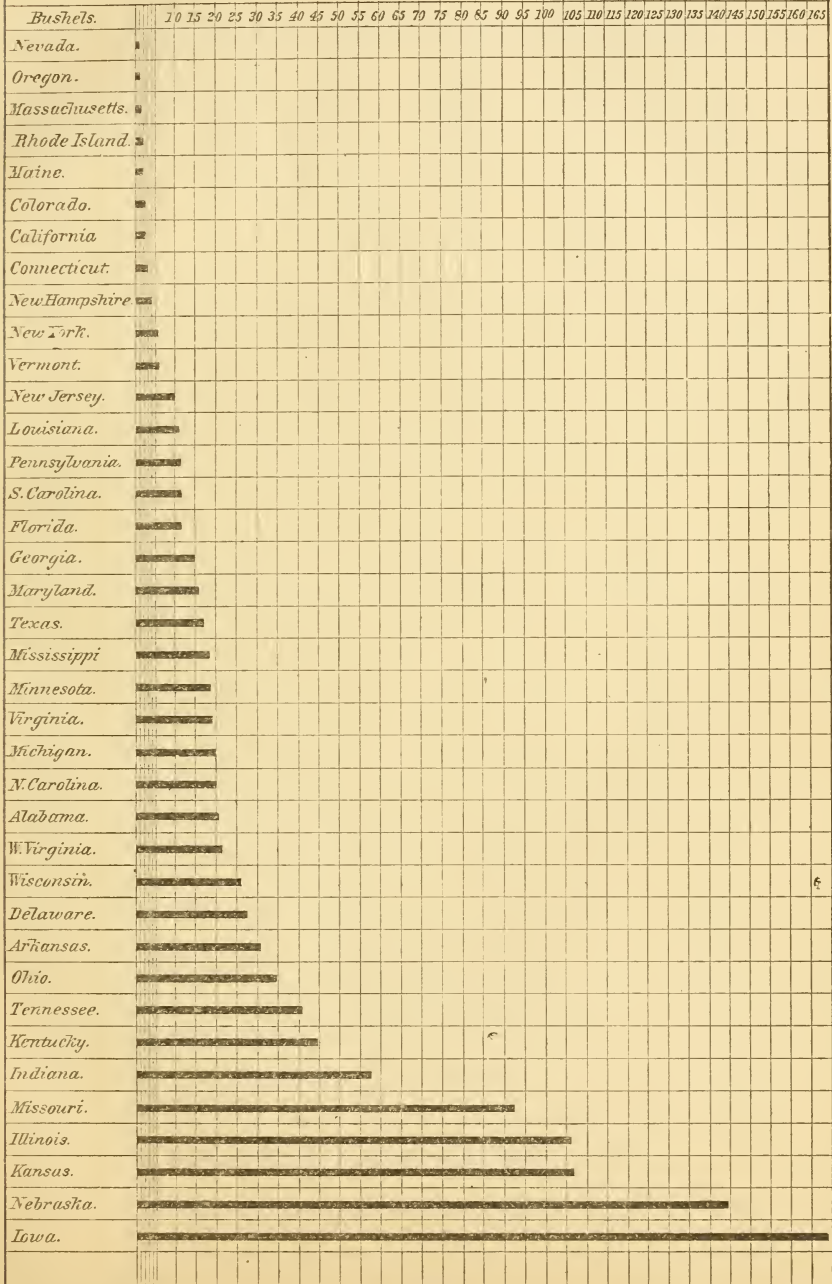


Yield of Corn per Acre, 1879.





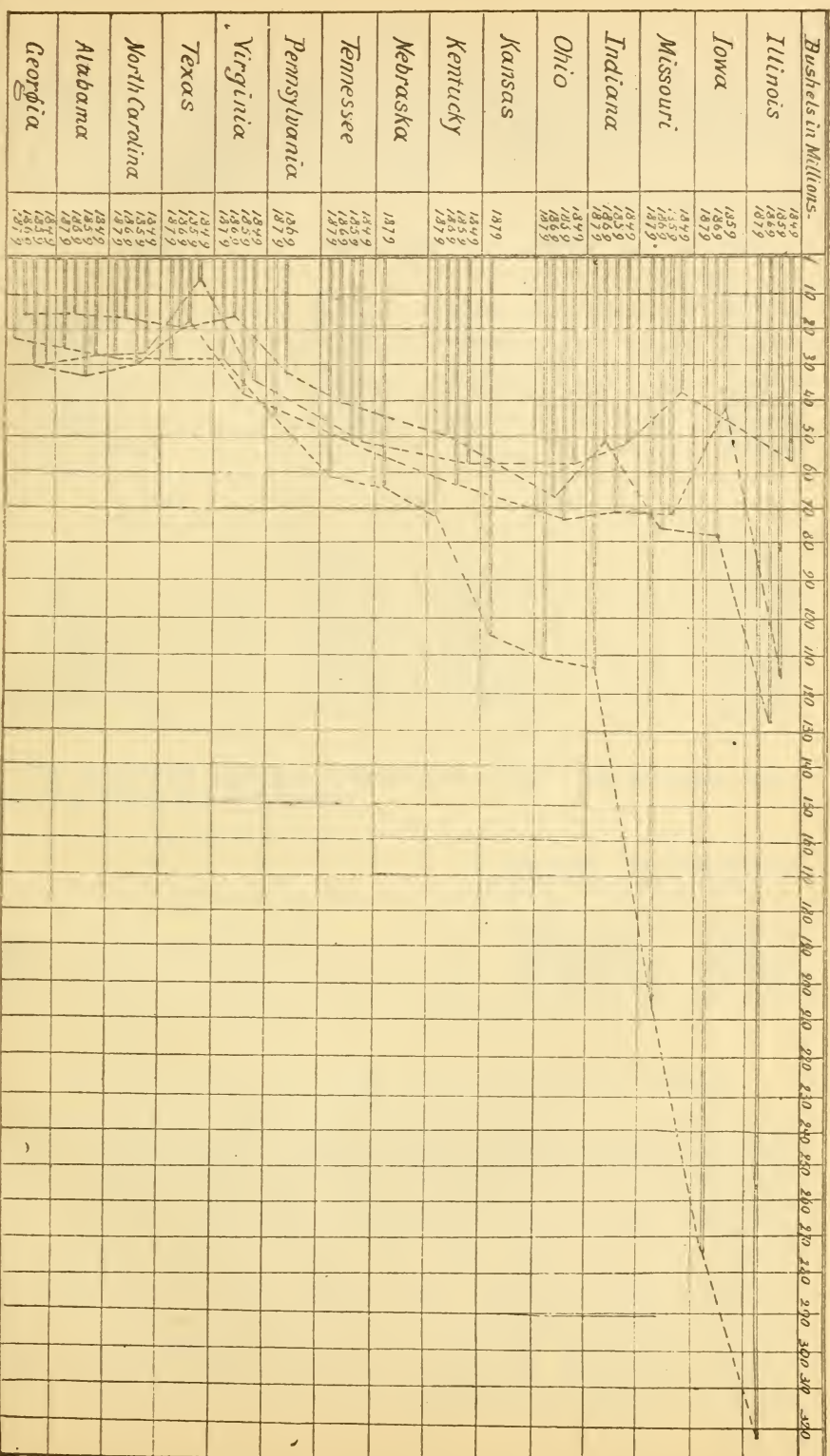
Product of Corn per Capita, 1879.

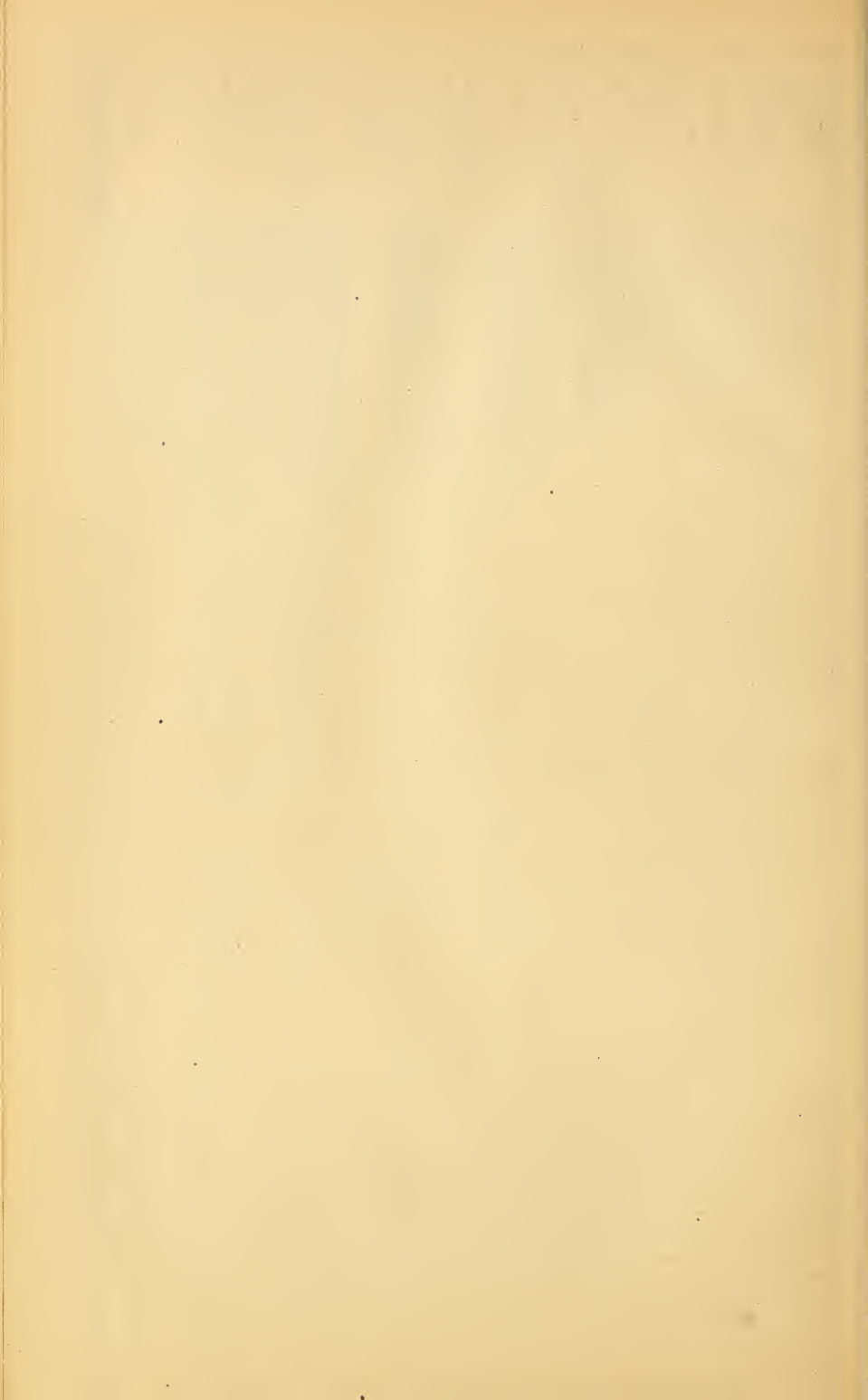




Progress of corn production in thirty years.

DIAGRAM XVII.





was grown in the South; in 1879 the only Southern States included in the list of ten years' principal production were Tennessee, Kentucky, and Missouri, while thirty years before only Ohio, Indiana, and Illinois were in the Northern list. An examination of the figures will show great growth and remarkable changes.

No.	States.	1849.	No.	States.	1859.
		<i>Bushels.</i>			<i>Bushels.</i>
1	Ohio	59,078,695	1	Illinois	115,174,777
2	Kentucky	58,672,591	2	Ohio	73,543,190
3	Illinois	57,646,984	3	Missouri	72,892,157
4	Indiana	52,964,363	4	Indiana	71,588,919
5	Tennessee	52,276,223	5	Kentucky	64,013,633
6	Missouri	36,214,537	6	Tennessee	52,089,926
7	Virginia	35,254,319	7	Iowa	42,410,666
8	Georgia	30,080,099	8	Virginia	38,319,999
9	Alabama	28,754,048	9	Alabama	33,226,282
10	North Carolina	27,941,051	10	Georgia	30,776,293

No.	States.	1869.	No.	States.	1879.
		<i>Bushels.</i>			<i>Bushels.</i>
1	Illinois	129,921,395	1	Illinois	325,792,481
2	Iowa	68,935,065	2	Iowa	275,024,247
3	Ohio	67,501,144	3	Missouri	202,465,723
4	Missouri	66,034,075	4	Indiana	115,482,300
5	Indiana	51,094,538	5	Ohio	111,877,124
6	Kentucky	50,091,006	6	Kansas	105,729,325
7	Tennessee	41,343,614	7	Kentucky	72,852,263
8	Pennsylvania	34,702,006	8	Nebraska	65,450,135
9	Texas	20,554,538	9	Tennessee	62,764,429
10	North Carolina	18,454,215	10	Pennsylvania	45,821,531

The proportion produced, respectively, by the ten principal corn-growing States was as follows:

	Crop of ten principal States.	Per cent.	Crop of United States.
	<i>Bushels.</i>		<i>Bushels.</i>
1849	438,882,910	74.1	592,071,104
1859	594,065,862	70.8	838,792,742
1869	548,631,596	72.1	760,944,549
1879	1,383,279,558	78.8	1,754,591,676

EXPORTATION OF CORN IN FIFTY-EIGHT YEARS.*

Diagram XVIII, a figure upon the same plan and scale as that illustrating the exportation of wheat, shows a similar rapidity of development in foreign trade in recent years, though the volume of shipments is small compared with wheat. The exports of the whole period are little more than half of one year's production at the present time, being less than a billion bushels, valued at 65.7 cents per bushel. The annual shipments fluctuate with the price, from two million bushels when prices are high, to one hundred millions when corn is cheapest, disproving the statement that Liverpool fixes the values of all our products which happen to be marketed there in part. On the contrary, in the corn trade, domestic prices control foreign shipments. It is another illustration of the fallacy of certain trite assumptions in popular dicta of po-

litical economy. It is the law of supply and demand that governs, and where the foreign demand is a trifle its effect is scarcely appreciable. Besides, this small demand is itself almost entirely dependent on price, as the product is not indispensable.

The following tables give the details of this exportation in annual or quinquennial periods:

Quantity of exports of corn and corn-meal.

Years.	Corn.		Corn-meal.		Total bushels.
	Bushels.	Bushels.	Bushels.	Bushels.	
1830.....	3, 530, 710		3, 133, 632		6, 664, 342
1835.....	2, 568, 946		3, 269, 532		
	6, 099, 656	6, 099, 656	6, 403, 164	6, 403, 164	12, 502, 820
1840.....	1, 184, 973		3, 375, 720		
	7, 284, 629	7, 284, 629	9, 778, 884	9, 778, 884	17, 063, 513
1845.....	3, 474, 109		4, 580, 996		
	10, 758, 738	10, 758, 738	14, 309, 880	14, 309, 880	25, 068, 618
1850.....	43, 822, 153		9, 974, 800		
	54, 580, 891	54, 580, 891	24, 284, 680	24, 284, 680	78, 865, 571
1855.....	23, 905, 196		4, 485, 824		
	78, 486, 087	78, 486, 087	28, 770, 504	28, 770, 504	107, 256, 591
1860.....	27, 597, 896		5, 165, 368		
	106, 083, 983	106, 083, 983	33, 935, 872	33, 935, 872	140, 019, 855
1865.....	52, 612, 028		4, 706, 428		
	158, 696, 011	158, 696, 011	38, 642, 300	38, 642, 300	197, 338, 311
1870.....	47, 993, 276		5, 420, 096		
	206, 689, 287	206, 689, 287	44, 062, 396	44, 062, 396	250, 751, 683
1875.....	146, 152, 915		6, 416, 212		
	352, 842, 202	352, 842, 202	50, 478, 608	50, 478, 608	403, 320, 810
1876.....	49, 493, 572		1, 416, 960		
	402, 335, 774	402, 335, 774	51, 895, 568	51, 895, 568	454, 231, 342
1877.....	70, 860, 983		1, 791, 628		
	473, 196, 757	473, 196, 757	53, 687, 196	53, 687, 196	526, 883, 953
1878.....	85, 461, 098		1, 731, 012		
	558, 657, 855	558, 657, 855	55, 418, 208	55, 418, 208	614, 076, 063
1879.....	86, 296, 252		1, 588, 640		
	644, 954, 107	644, 954, 107	57, 006, 848	57, 006, 848	701, 960, 955
1880.....	98, 169, 877		1, 402, 452		
	743, 123, 984	743, 123, 984	58, 409, 300	58, 409, 300	801, 533, 284
1881.....	91, 908, 175		1, 739, 972		
	835, 032, 159	835, 032, 159	60, 149, 272	60, 149, 272	895, 181, 431
1882.....	43, 184, 915		1, 155, 768		
	878, 217, 074	878, 217, 074	61, 305, 040	61, 305, 040	939, 522, 114
1883.....	40, 586, 825		1, 068, 828		
Total	918, 803, 899	918, 803, 899	62, 373, 868	62, 373, 868	981, 177, 767

DIAGRAM XVIII.

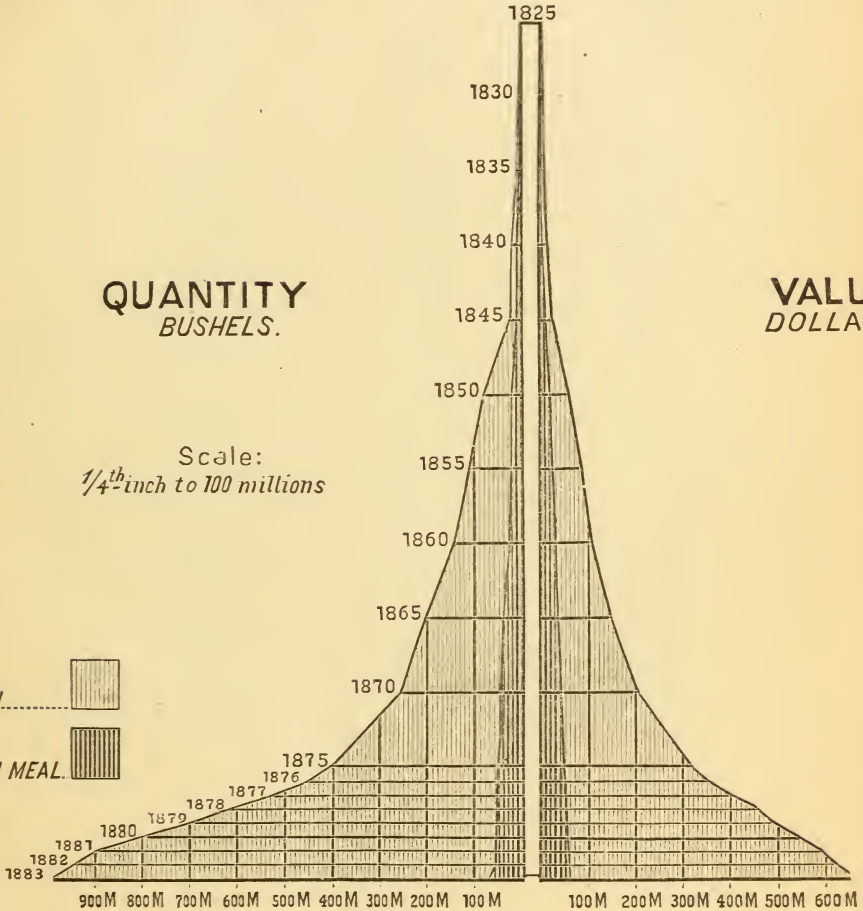
Export of corn in fifty-eight years

QUANTITY
BUSHELS.

VALUE
DOLLARS.

Scale:
1/4th inch to 100 millions

CORN.....
CORN MEAL.....



Value of exports of corn and corn-meal.

Years.	Corn.		Corn-meal.		Total value of corn and corn-meal.	
	Value.	Value.	Value.	Value.		
1830.....	\$2, 019, 926		\$2, 404, 371		\$4, 424, 297	
1835.....	1, 804, 711		2, 731, 077		4, 535, 788	
		\$3, 824, 637		\$5, 135, 448		\$8, 960, 085
1840.....	3, 824, 637		5, 135, 448		8, 960, 085	
	873, 104		3, 471, 215		4, 344, 319	
		4, 697, 741		8, 606, 663		13, 304, 404
1845.....	4, 697, 741		8, 606, 663		13, 304, 404	
	1, 755, 602		3, 037, 021		4, 792, 623	
		6, 453, 343		11, 643, 684		18, 097, 027
1850.....	6, 453, 343		11, 643, 684		18, 097, 027	
	31, 277, 920		8, 984, 252		40, 262, 172	
		37, 731, 263		20, 627, 936		58, 359, 199
1855.....	37, 731, 263		20, 627, 936		58, 359, 199	
	17, 712, 699		4, 147, 318		21, 860, 017	
		55, 443, 962		24, 775, 254		80, 219, 216
1860.....	55, 443, 962		24, 775, 254		80, 219, 216	
	19, 789, 181		4, 917, 515		24, 706, 696	
		75, 233, 143		29, 692, 769		104, 925, 912
1865.....	75, 233, 143		29, 692, 769		104, 925, 912	
	34, 903, 365		5, 323, 270		40, 226, 635	
		110, 136, 508		35, 016, 039		145, 152, 547
1870.....	110, 136, 508		35, 016, 039		145, 152, 547	
	47, 143, 817		7, 345, 448		54, 488, 265	
		157, 280, 325		42, 361, 487		199, 641, 812
1875.....	157, 280, 325		42, 361, 487		199, 641, 812	
	104, 461, 944		6, 461, 588		110, 926, 532	
		261, 745, 269		48, 823, 075		310, 568, 344
1876.....	261, 745, 269		48, 823, 075		310, 568, 344	
	33, 265, 280		1, 305, 027		34, 570, 307	
		295, 010, 549		50, 128, 102		345, 138, 651
1877.....	295, 010, 549		50, 128, 102		345, 138, 651	
	41, 621, 245		1, 511, 152		43, 132, 397	
		336, 631, 794		51, 639, 254		388, 271, 048
1878.....	336, 631, 794		51, 639, 254		388, 271, 048	
	48, 030, 358		1, 336, 187		49, 366, 545	
		384, 662, 152		52, 975, 441		437, 637, 593
1879.....	384, 662, 152		52, 975, 441		437, 637, 593	
	40, 655, 120		1, 052, 231		41, 707, 351	
		425, 317, 272		54, 027, 672		479, 344, 944
1880.....	425, 317, 272		54, 027, 672		479, 344, 944	
	53, 298, 247		981, 361		54, 279, 608	
		478, 615, 519		55, 009, 033		533, 624, 552
1881.....	478, 615, 519		55, 009, 033		533, 624, 552	
	50, 702, 669		1, 270, 200		51, 972, 869	
		529, 318, 188		56, 279, 233		585, 597, 421
1882.....	529, 318, 188		56, 279, 233		585, 597, 421	
	28, 845, 830		994, 201		29, 840, 031	
		558, 164, 018		57, 273, 434		615, 437, 452
1883.....	558, 164, 018		57, 273, 434		615, 437, 452	
	27, 756, 682		980, 798		28, 736, 880	
		585, 920, 100		58, 254, 232		644, 174, 332
Total	585, 920, 100		58, 254, 232		644, 174, 332	

EFFECT OF VARYING PRODUCT ON PRICE OF CORN.

Diagram XIX illustrates the inter-relations of yield and price. The yield per acre is that of the entire breadth of the corn crop, and the price the average for the entire product of the country in farm markets, as reported by counties in December of each year. The reduction of yield in 1873 and 1874 is attended with marked advance in value; and the successive crops above the average in yield cause a continuous decline to a very low figure. The annual yields and prices are as follows:

Years.	Average yield.	Price.
	<i>Bushels.</i>	<i>Cents.</i>
1871.....	29.1	48.2
1872.....	30.7	39.8
1873.....	23.8	48.0
1874.....	20.7	64.7
1875.....	29.4	42.0
1876.....	26.1	37.0
1877.....	26.6	35.8
1878.....	26.9	31.8
1879.....	29.2	37.5
1880.....	27.6	39.6
1881.....	18.6	63.6
1882.....	24.6	48.4
1883.....	22.7	42.4

PRODUCTION OF CEREALS IN THIRTY YEARS.

Diagram XX illustrates the progress of production of the several cereals from 1849 to 1879, as reported in four decennial enumerations. The increase has been greater in wheat than in corn, or 357 per cent.; in corn, 196 per cent.; oats, 178 per cent.; rye, 75 per cent.; barley, 40 per cent.; buckwheat, 32 per cent.

The prominence of maize is seen in the fact that its production is usually twice as much as the combined product of wheat, oats, rye, barley, and buckwheat. The proportion of each crop to the whole is thus presented:

Cereals.	1850.	1860.	1870.	1880.
Corn.....	68.3	67.7	54.9	65.1
Wheat.....	11.6	14.0	20.7	17.0
Oats.....	16.9	13.9	20.3	15.1
Rye.....	.6	1.3	2.2	1.6
Barley.....	1.6	1.7	1.2	.7
Buckwheat.....	1.0	1.4	.7	.5

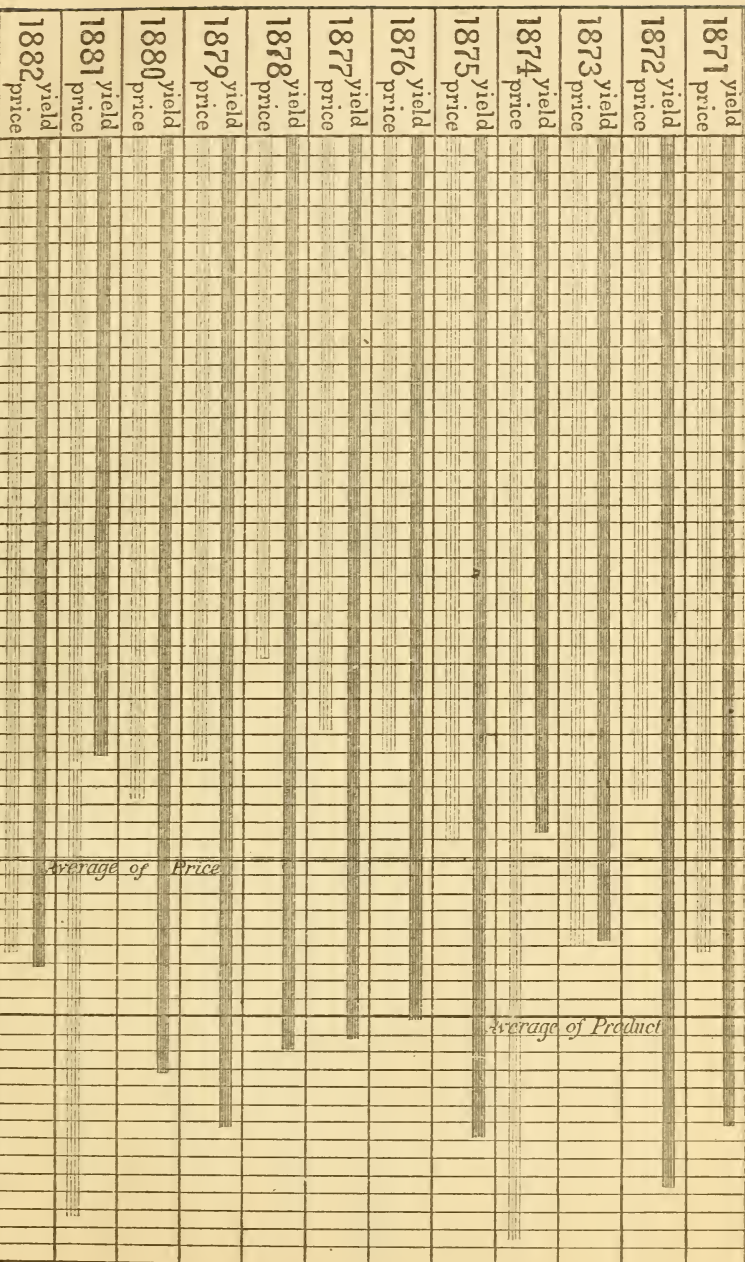
The quantity in bushels is shown in the following table:

Cereals.	1850.	1860.	1870.	1880.
	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
Corn.....	592,071,104	838,792,742	760,944,549	1,754,591,676
Wheat.....	100,485,944	173,104,924	287,745,626	459,483,137
Oats.....	146,584,179	172,643,185	282,107,157	407,858,999
Barley.....	14,188,813	21,101,380	16,918,795	19,831,585
Rye.....	5,167,015	15,825,898	29,761,305	43,997,495
Buckwheat.....	8,956,912	17,571,818	9,821,721	11,817,327
Total.....	867,453,967	1,239,039,947	1,387,289,153	2,697,580,229

Effect of varying product on price of corn.

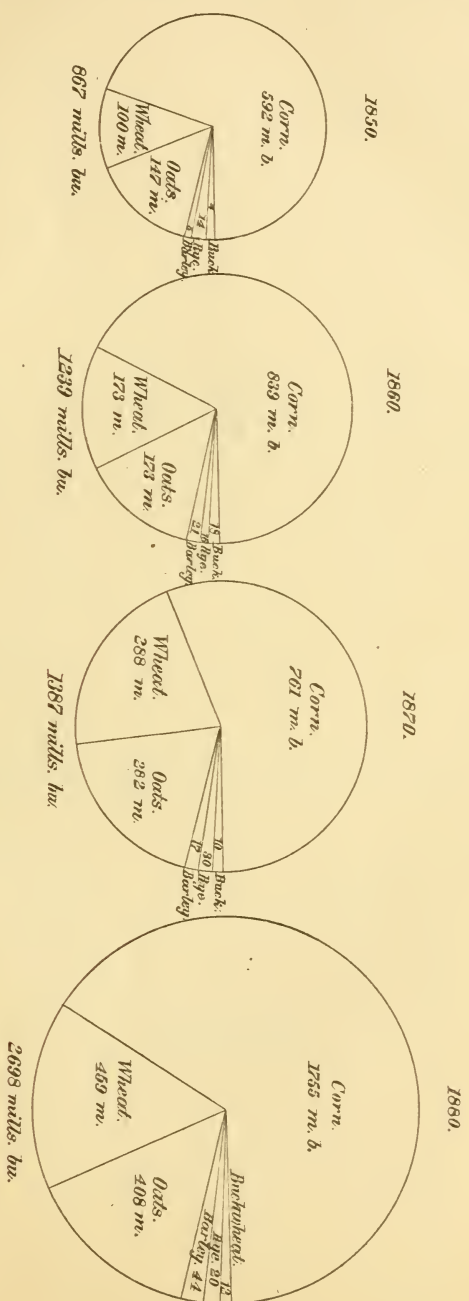
BUSHEL
per acre

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32



4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64

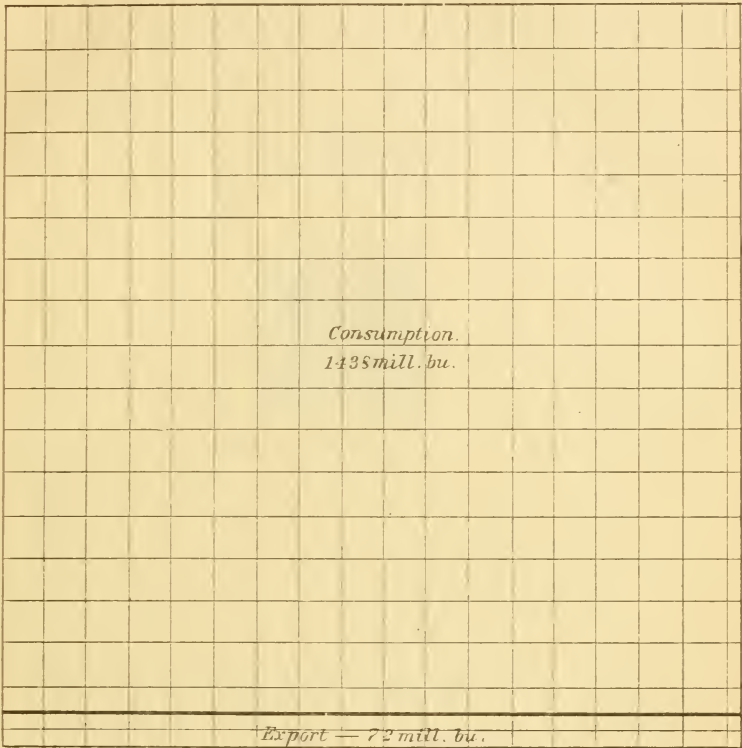
Progress of Production of Cereals in Thirty Years.





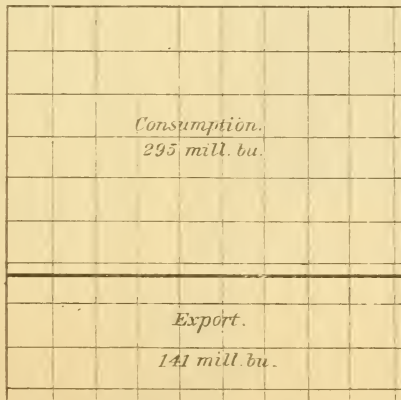
Product and Export of Corn and Wheat.

Average of Seven Years, 1877-1883, 1510 millions bushels.



Wheat.

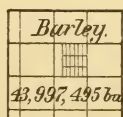
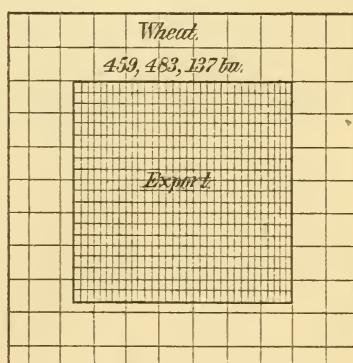
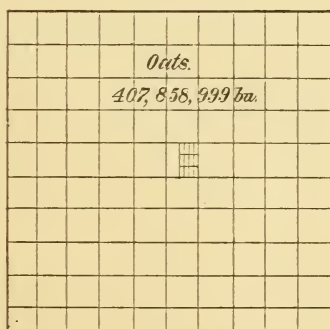
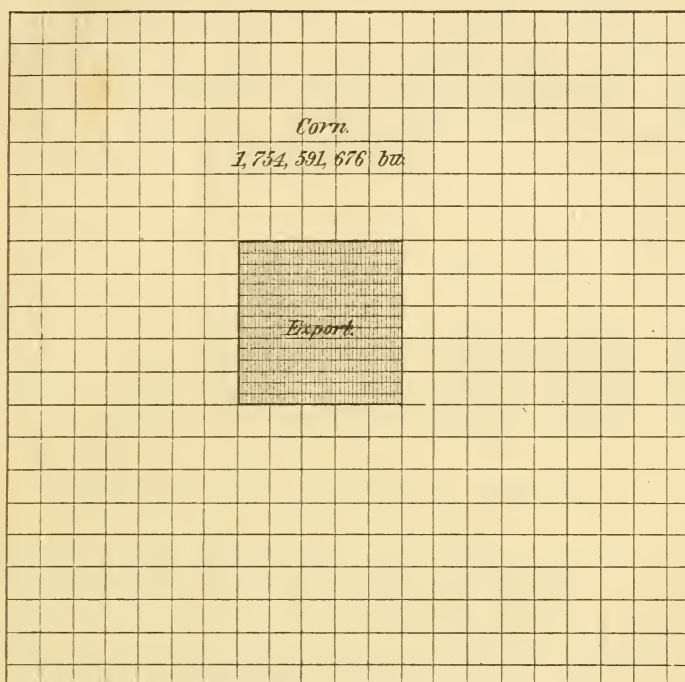
Average of Seven Years, 1877-1883, 436 millions bushels.



Scale:—5 mill. bu. per Square.



Product and Export of Cereals in 1879. (Census.)



Scale 4 mill. bu pr. Square.



PRODUCTION AND EXPORT OF CORN AND WHEAT.

The object of Diagram XXI is to present to the eye a comparative view of the recent production and exportation of corn and wheat, to illustrate the preponderating volume of the one and large proportion exported of the other. The period is seven years of plenty, in which the average estimated product of corn is 1,510,000,000 bushels, and of wheat 436,000,000. There was exported in this period an average of 72,000,000, while of wheat the exports averaged 141,000,000. This left for consumption an average of 1,438,000,000 of corn and 295,000,000 of wheat. This gave, for bread and seed, nearly 6 bushels of wheat *per capita*. The figures are as follows:

Years.	Corn.		Wheat.	
	Product.	Export.	Product.	Export.
1877	1,342,558,000	87,192,110	364,194,146	90,167,959
1878	1,388,218,750	87,884,892	420,122,400	147,687,649
1879	1,547,901,790	99,572,329	448,756,630	180,304,180
1880	1,717,434,543	93,648,147	498,549,868	186,321,514
1881	1,194,916,000	44,340,683	380,280,090	121,892,389
1882	1,617,025,100	41,655,653	504,185,470	147,811,316
1883	1,551,066,895	46,258,606	421,086,160	111,534,182

PRODUCT AND EXPORT OF CEREALS.

Diagram XXII compares the production of cereals in 1879 with the exportation from that crop between July 1, 1879, and June 30, 1880. The squares which represent the quantities produced of the several grains are drawn to a scale of 3,000,000 bushels per square inch. The design is to present to the eye at a single glance an idea of the respective volumes of the different crops and the proportions of each exported. Every one who knows the facts is aware of the great preponderance of the corn crop; but there are few to whom the exact proportion, presented so clearly to the natural eye, does not prove a revelation to the mental vision. It is seen that the maize makes a larger show than the other five combined, and that the three minor crops, barley, rye, and buckwheat, taken together, only make 3 per cent. of all. The proportions are thus shown in figures:

Cereals.	Product.	Export.
	<i>Bushels.</i>	<i>Bushels.</i>
Corn	1,754,591,676	99,572,329
Wheat	459,483,137	180,304,180
Oats	407,858,999	766,366
Barley	43,997,495	1,128,923
Rye	19,831,595	2,936,109
Buckwheat	11,817,327	.....

PRODUCT PER HEAD OF ALL CEREALS.

The design of Diagram XXIII is to show the comparative production of cereals in Europe and in the United States. The latest available statistics of annual production are used. The European average is 16.1 bushels per head; that of the United States more than three

times as much, or 53.8 bushels. France, Germany, Hungary, Roumania, Denmark, and Sweden exceed the European average, other countries following below it; Switzerland producing only 6.5 bushels per head. The use of corn in this country in place of roots and forage-plants in feeding of farm animals makes the actual disparity of European averages less than it appears. This substitution of one crop for another renders difficult a discriminating comparison of relative abundance. Making any reasonable allowance on this score, the fact remains of unprecedented supply in the United States for the sustenance of man and beast. The following table gives the quantities and average per head:

Product per head of all cereals.

Countries.	Total bushels.	Bushels per head.	Countries.	Total bushels.	Bushels per head.
United States	2, 697 580, 229	53. 8	Belgium.....	74, 655, 797	13. 4
Europe.....	5, 273. 398, 496	16. 1	Austria.....	290, 453, 674	13. 0
			Servia.....	14, 303, 520	11. 4
Denmark.....	74, 456, 840	36. 9	Turkey.....	110, 341, 440	11. 3
Hungary.....	426, 062, 544	27. 2	Great Britain.....	286, 246, 289	9. 5
Sweden.....	98, 262, 908	21. 5	Norway.....	16, 915, 642	9. 3
France.....	763, 754, 669	20. 3	Italy.....	262, 659, 795	9. 2
Roumaniah.....	102, 850, 000	19. 1	Netherlands.....	37, 029, 085	8. 9
Russia.....	1, 577, 831, 233	18. 8	Portugal.....	34, 771, 906	8. 7
Germany.....	784, 147, 845	17. 3	Greece.....	10, 525, 854	6. 7
Ireland.....	74, 482, 114	14. 6	Switzerland.....	17, 473, 296	6. 5
Spain.....	226, 173, 145	14. 1			

PROGRESS OF COTTON PRODUCTION.

Diagram XXIV illustrates the progress of cotton growing since 1840. A period of twenty years from 1841 to 1860, inclusive, is compared with the twenty years since the civil war, from 1865 to 1884, inclusive. One covers two decades of production under the system of involuntary servitude; the other, production by free labor. It shows a rapid and almost continuous progress in each period, in response to the constantly increasing wants of the civilized world. It shows that no labor convulsion, no social upheaval, no sudden impoverishment of individuals can subvert the manifest destiny of the cotton belt of North America to supply the world with the cotton fiber.

The dark perpendicular bands in the diagram represent the cotton retained for home consumption, while the lighter extensions show the proportion of each year exported. The height of the two indicates the total amount of the crop in pounds, according to the scale, so far as the crop of each year is represented by the annual records of the cotton movement.

It is an exhibit which speaks well for the soil of the cotton region, the recuperative powers of the great industry so prostrated, and is in itself a grand prophecy of progress in the future.

Years.	Production.	Exports.
	<i>Pounds.</i>	<i>Pounds.</i>
1841.....	759, 903, 750	584, 717, 017
1842.....	1, 077, 391, 350	792, 297, 106
1843.....	948, 860, 550	663, 633, 455
1844.....	1, 118, 097, 900	872, 905, 996
1845.....	976, 741, 650	547, 558, 055
1846.....	837, 215, 550	527, 219, 958
1847.....	1, 090, 850, 850	814, 274, 431
1848.....	1, 263, 868, 200	1, 026, 602, 269

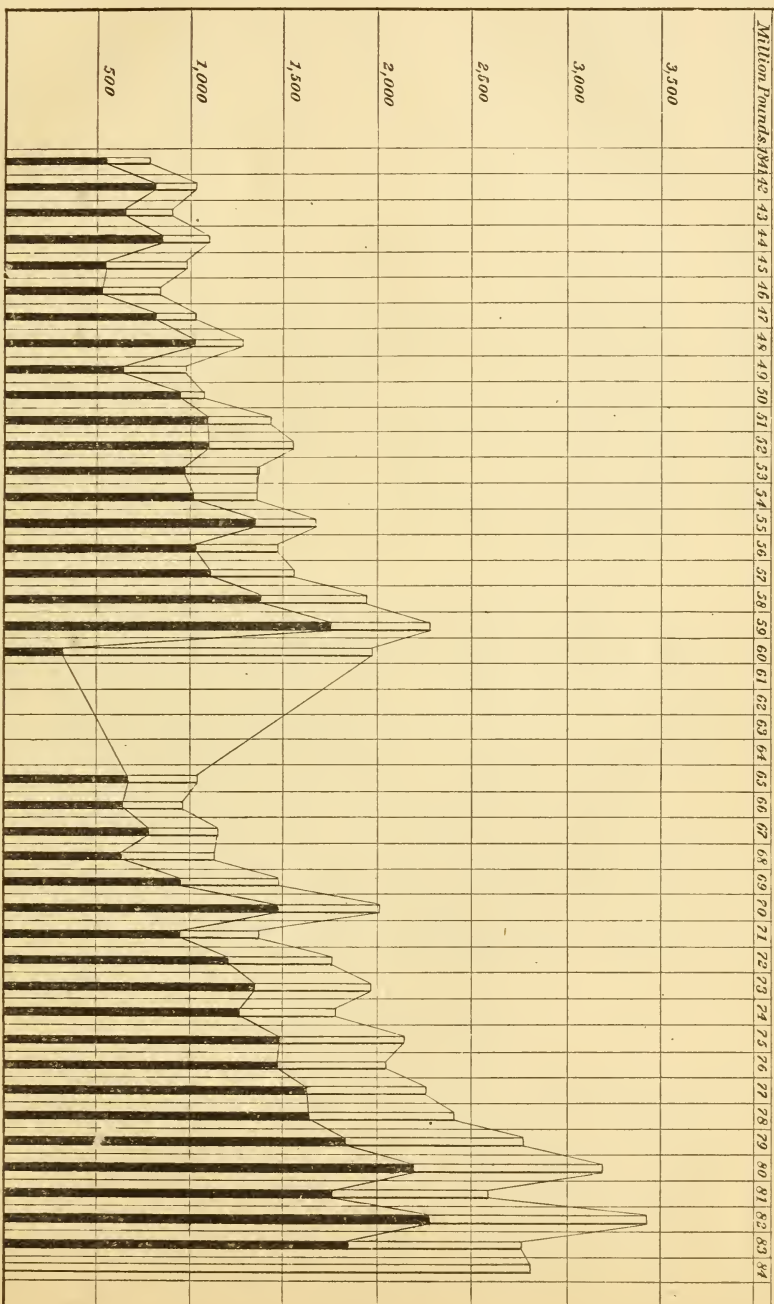
DIAGRAM XXIII.

Product per Head of all Cereals in Europe and the United States.





Production and Export of Cotton from 1841-1884.





Years.	Production.	Exports.
	<i>Pounds.</i>	<i>Pounds.</i>
1849	977, 267, 700	633, 381, 604
1850	1, 086, 865, 650	927, 237, 089
1851	1, 421, 413, 340	1, 093, 230, 139
1852	1, 542, 325, 720	1, 111, 570, 370
1853	1, 396, 112, 420	987, 833, 106
1854	1, 363, 537, 635	1, 068, 424, 671
1855	1, 658, 631, 975	1, 351, 431, 701
1856	1, 467, 129, 120	1, 048, 282, 475
1857	1, 554, 701, 760	1, 118, 624, 012
1858	1, 949, 306, 728	1, 386, 468, 562
1859	2, 274, 372, 309	1, 767, 686, 338
1860	1, 934, 545, 603	307, 634, 242
Total	26, 699, 139, 760	18, 573, 013, 026
1861-1864		
1865	1, 041, 982, 263	651, 921, 489
1866	969, 175, 303	662, 733, 679
1867	1, 173, 431, 114	785, 415, 226
1868	1, 129, 811, 645	644, 957, 327
1869	1, 451, 401, 337	958, 785, 304
1870	2, 020, 693, 736	1, 463, 704, 507
1871	1, 384, 084, 444	933, 825, 710
1872	1, 833, 188, 931	1, 200, 398, 178
1873	1, 940, 648, 352	1, 358, 979, 913
1874	1, 783, 644, 032	1, 260, 851, 944
1875	2, 157, 958, 142	1, 491, 629, 831
1876	2, 082, 492, 190	1, 445, 647, 070
1877	2, 260, 285, 666	1, 608, 469, 052
1878	2, 404, 410, 373	1, 628, 873, 079
1879	2, 771, 797, 156	1, 822, 295, 843
1880	3, 199, 822, 682	2, 192, 169, 348
1881	2, 588, 736, 636	1, 741, 819, 451
1882	3, 405, 070, 410	2, 291, 313, 992
1883	2, 757, 544, 422	1, 862, 572, 530
1884	2, 800, 000, 000	
Total	41, 156, 158, 904	26, 026, 366, 382

The product of the first period was 26,699,139,760 pounds, equal to 53,398,279 bales of 500 pounds gross weight (including baling, as all cotton is sold in this country). It is an annual average for the period of 2,669,914 bales of this size. The more recent period of twenty years, if we allow 2,800,000,000 pounds gross for the crop of 1884, furnishes a product of 41,156,158,904 pounds, or 82,312,317 bales of the same weight. This makes an annual average of 4,115,616 bales, and an increased production of 54.1 per cent. over the first period.

A still more interesting and important fact is the increased home consumption. Of the first twenty years' product there remained, after exportation, 30.5 per cent. of the whole; while of the product of the recent period there remained 36.8 per cent. The actual quantities were, respectively, 8,126,126,734 and 15,129,792,522. The quantity actually manufactured is therefore nearly twice as much as in the twenty years before 1860.

AREA OF COTTON.

The area of cotton has increased rapidly in the past twenty years, with somewhat unequal annual steps, and with very little halting. The area attained in 1884 has exceeded 17,000,000 acres, constituting about one-third of the cultivated area of the cotton States, corn and cotton comprising fully three-fourths of the entire acreage in arable culture.

The idea of Diagram XXV is to present the area by States, as reported for the year 1879 by the census. Many may feel a greater confidence in the census returns than in any estimates, though my own estimate for that year was 14,500,000 acres, while the census made it

14,480,019 acres. The diagram is in the form of a circle whose area represents the breadth in cotton, the proportions of the several States being shown respectively as segments of such circle, of differing degrees, according to the following statement:

	Acres.
Georgia	2,617,138
Alabama	2,330,086
Texas	2,178,435
Mississippi	2,106,215
South Carolina	1,364,249
Arkansas	1,042,976
North Carolina	893,153
Louisiana	864,787
Tennessee	722,562
Florida	245,595
All others	114,823
Total	14,480,019

SUGAR CONSUMPTION AND PRODUCTION.

Diagram XXVI represents the consumption of sugar in the United States in 1882 and 1883, by circles, which are divided to show the proportion of foreign and domestic product, while the segment which stands for domestic sugar is subdivided to show the quantity of maple, beet, and sorghum, as well as cane. Scarcely more than a line suffices to indicate the almost inappreciable quantities of beet and sorghum.

The statement, in tons, is as follows:

Description.	Production.		Production.	
	Tons.	Per cent.	Tons.	Per cent.
Louisiana cane	151,533	14.0	143,855	12.3
Others	4,000	.4	3,500	.3
Maple	20,000	1.9	18,500	1.6
Beet	500	.....	600	.1
Sorghum	250	.....	400	.....
Total	176,283	16.3	166,855	14.3

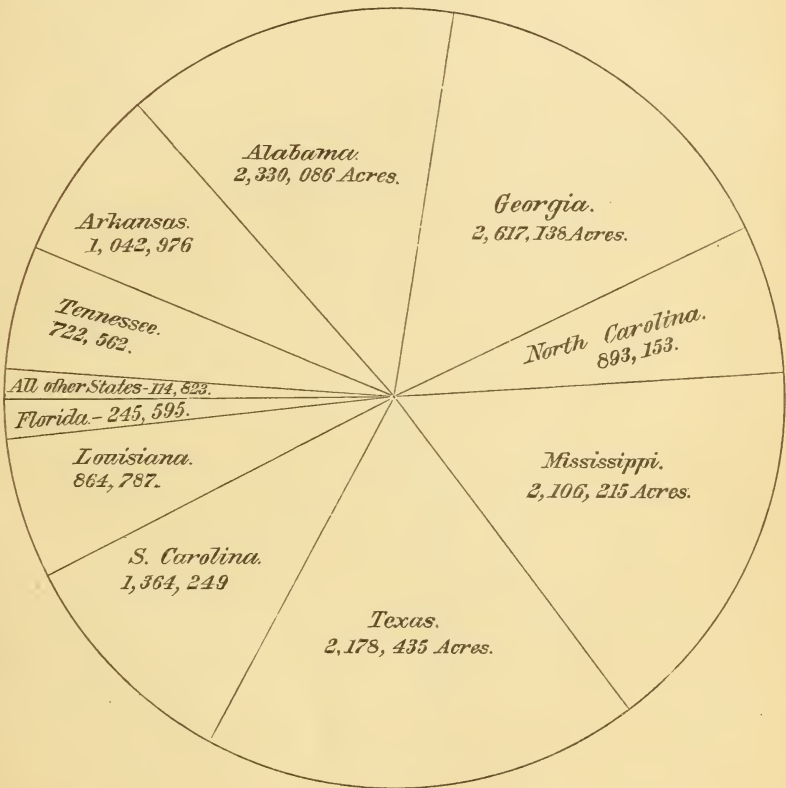
Consumption in 1882	Tons.
Consumption in 1883	1,079,949
	1,164,391

RAILWAY FACILITIES OF THE WORLD.

On the authority of the "Railways of the World," by Mr. D. McArthur, Diagram XXVII is constructed to show, by a simple lineal comparison, the relative mileage of railways in North America and other grand divisions of the globe. The statement is as follows:

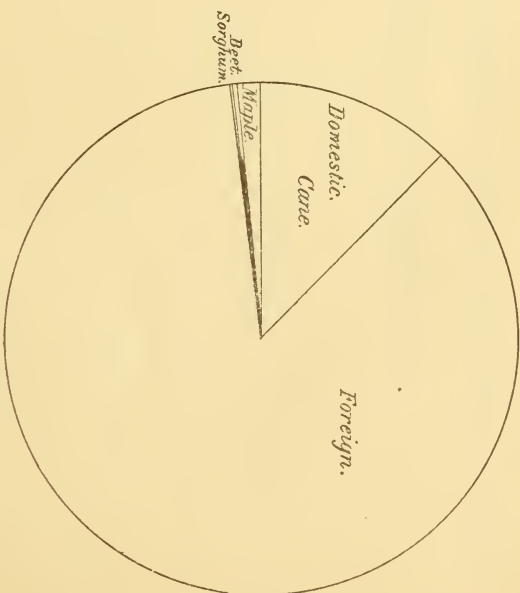
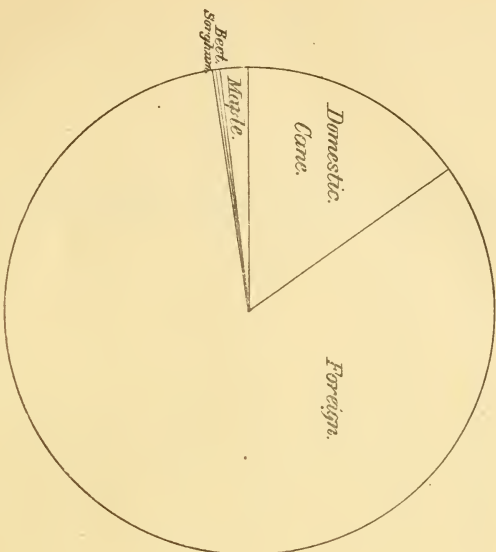
	Miles.
North America	126,852
Europe	107,983
Asia	11,923
South America	8,680
Australia	6,938
Africa	3,353
West Indies	1,513
Central America	398
Islands	209

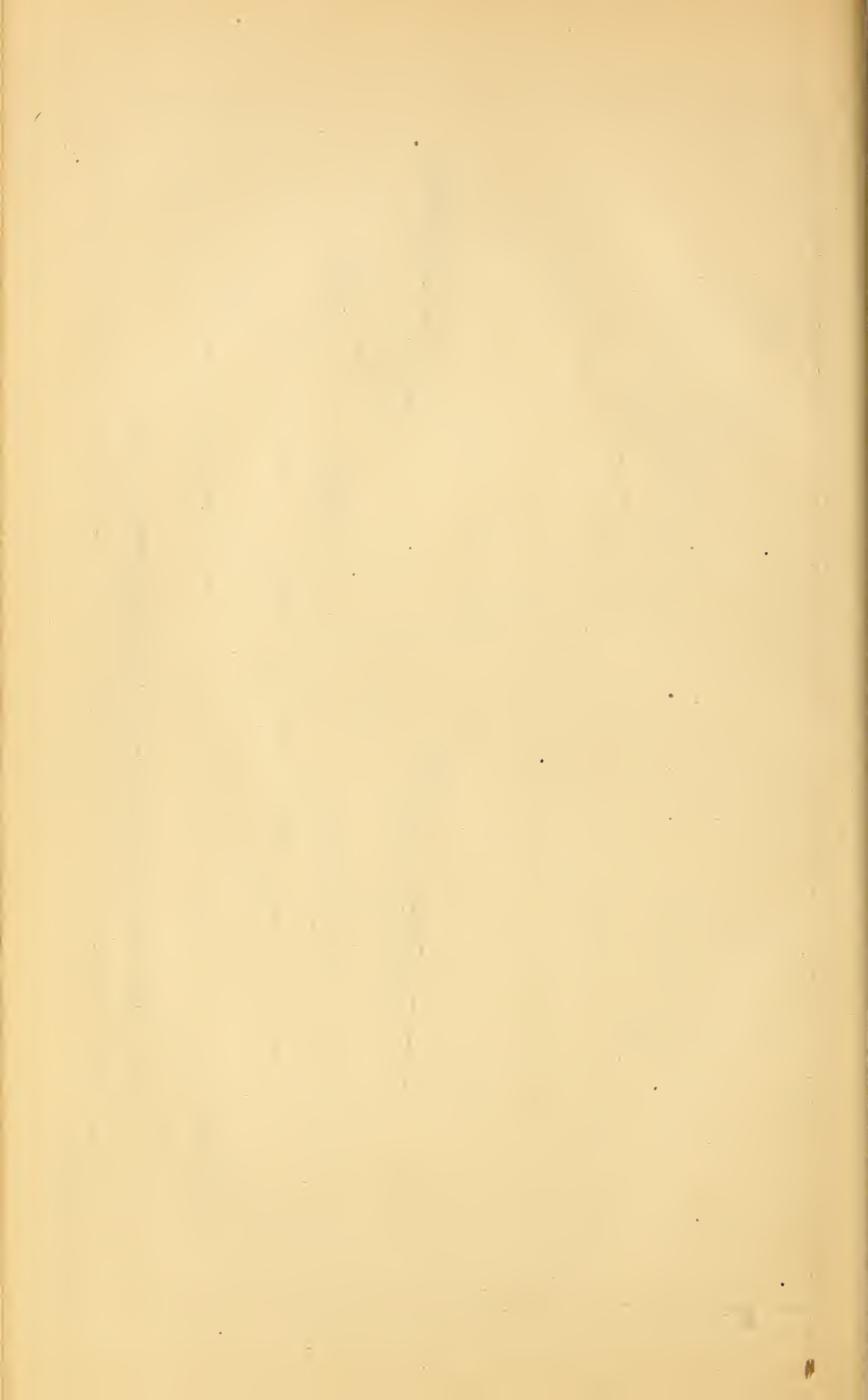
Acreage of Cotton, 1879. (Census.)

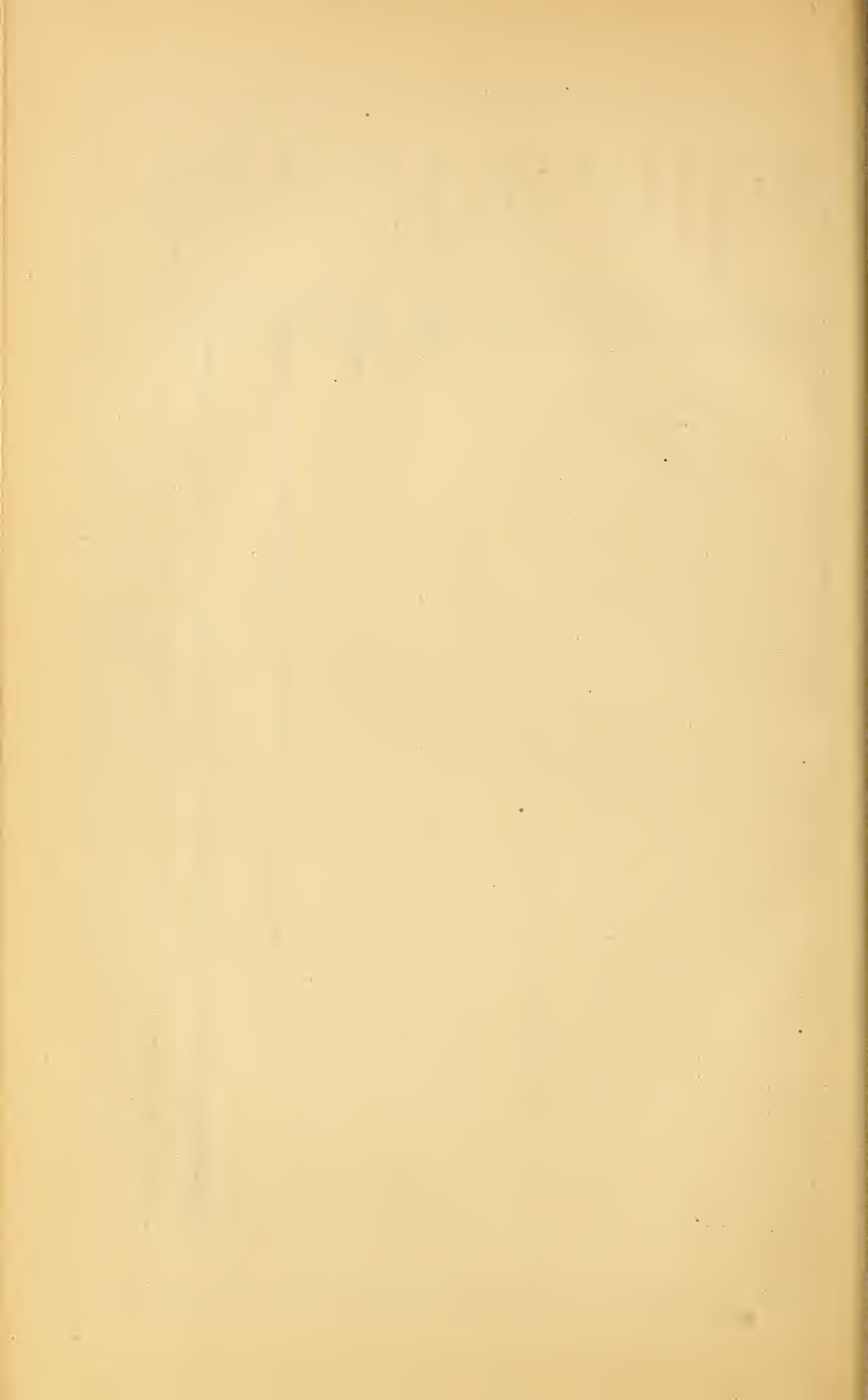




Sugar Consumption and Production in the United States.







FARM VALUES.

Diagram XXVIII makes comparison of farm values, by squares of different sizes, the superficial area of each showing the relative proportion of value in lands, farm animals, and farm implements. The figures used are those of four decennial census enumerations. They are as follows:

Years.	Lands.	Animals.	Implements.
1850	3, 271, 575, 426	544, 180, 516	151, 587, 638
1860	6, 645, 045, 007	1, 089, 329, 915	246, 118, 141
1870	9, 262, 803, 861	1, 525, 276, 457	333, 878, 429
1880	10, 197, 096, 776	1, 500, 384, 707	406, 520, 055

FARM AND FOREST AREAS.

Diagram XXIX represents, in square figures, the superficial land areas of the several States and Territories, with interior squares that show the farm areas, divided to show the woodland. It indicates at a glance the comparative amount of land not taken as farms. Ohio has the least, and some of the Territories are mostly unoccupied, the farms making a scarcely appreciable exhibit. The figures are as follows:

States and Territories.	Superficial area.	Acres in farms.	Acres in wood-land.	Per cent.
Alabama	32, 985, 600	18, 855, 334	10, 430, 727	55
Arizona	72, 268, 800	135, 573	13, 399	10
Arkansas	33, 948, 800	12, 061, 547	7, 861, 409	65
California	99, 827, 200	16, 593, 742	1, 672, 810	10
Colorado	66, 332, 800	1, 165, 373	44, 117	4
Connecticut	3, 100, 800	2, 453, 541	646, 673	26
Dakota	94, 528, 000	3, 800, 656	80, 264	2
Delaware	1, 254, 400	1, 080, 245	279, 099	26
District of Columbia	38, 400	18, 146	3, 321	18
Florida	34, 713, 600	3, 297, 324	2, 186, 601	66
Georgia	37, 747, 200	26, 043, 282	15, 269, 225	59
Idaho	53, 945, 600	327, 798	11, 892	4
Illinois	35, 840, 000	31, 673, 645	4, 935, 575	16
Indiana	22, 982, 400	20, 420, 983	5, 935, 308	29
Iowa	35, 504, 000	24, 752, 700	2, 755, 290	11
Kansas	52, 288, 000	21, 417, 468	991, 187	5
Kentucky	25, 600, 000	21, 495, 240	10, 106, 072	47
Louisiana	29, 068, 800	8, 273, 506	4, 557, 332	55
Maine	19, 132, 800	6, 532, 578	2, 682, 296	41
Maryland	6, 310, 400	5, 119, 831	1, 634, 019	32
Massachusetts	5, 145, 600	3, 359, 079	1, 004, 099	30
Michigan	36, 755, 200	13, 807, 240	4, 452, 265	32
Minnesota	50, 691, 200	13, 403, 019	2, 030, 726	15
Mississippi	29, 657, 600	15, 855, 462	9, 144, 323	58
Missouri	43, 990, 400	27, 879, 276	10, 137, 790	36
Montana	92, 998, 400	405, 683	3, 678	1
Nebraska	45, 758, 400	9, 944, 826	321, 566	3
Nevada	70, 233, 600	530, 862	18, 697	4
New Hampshire	5, 769, 200	3, 721, 173	1, 296, 529	35
New Jersey	4, 771, 200	2, 929, 773	708, 092	24
New Mexico	78, 374, 400	631, 131	219, 224	35
New York	30, 476, 800	23, 780, 754	5, 195, 795	22
North Carolina	31, 091, 200	22, 363, 558	13, 868, 066	62
Ohio	26, 086, 400	24, 529, 226	5, 982, 507	24
Oregon	60, 518, 400	4, 214, 712	1, 424, 417	34
Pennsylvania	28, 790, 400	19, 791, 341	5, 810, 331	20
Rhode Island	694, 400	514, 813	182, 666	35
South Carolina	19, 308, 800	13, 457, 613	7, 255, 121	54
Tennessee	26, 720, 000	20, 666, 915	11, 232, 876	54
Texas	167, 865, 600	36, 292, 219	15, 851, 365	44
Utah	52, 601, 600	655, 520	2, 305	4
Vermont	5, 846, 400	4, 882, 588	1, 503, 467	31
Virginia	25, 680, 000	19, 835, 785	9, 126, 601	46
Washington	42, 803, 200	1, 409, 421	437, 696	31
West Virginia	15, 772, 800	10, 193, 779	6, 180, 350	61
Wisconsin	34, 848, 000	15, 353, 118	4, 768, 046	31
Wyoming	62, 448, 000	124, 433	510	1
United States	1, 856, 108, 800	536, 081, 835	190, 255, 744	35

FOREST LANDS IN FARMS.

Diagram XXX is in the form of a map of the United States, colored by counties, in five shades to show as many degrees of density of forest lands in farms. The proportion of woodland area in the farm lands reported by the last census is thus expressed:

ALABAMA.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Autauga	52	Dallas	35	Marshall	64
Baldwin	91	De Kalb	66	Mobile	72
Barbour	41	Elmore	57	Monroe	62
Bibb	54	Escambia	90	Montgomery	27
Blount	69	Etowah	66	Morgan	59
Bullock	30	Fayette	78	Perry	32
Butler	54	Franklin	73	Pickens	61
Calhoun	56	Geneva	80	Pike	53
Chambers	32	Greene	40	Randolph	66
Cherokee	60	Hale	39	Russell	29
Chilton	72	Henry	57	Saint Clair	69
Choctaw	68	Jackson	64	Shelby	67
Clarke	71	Jefferson	69	Sumter	42
Clay	71	Lamar	77	Talladega	54
Cleburne	72	Lauderdale	58	Tallapoosa	47
Coffe	63	Lawrence	46	Tuscaloosa	64
Colbert	60	Lee	35	Walker	81
Concehuh	61	Limestone	48	Washington	78
Coosa	66	Lowndes	24	Wilcox	50
Covington	71	Macon	37	Winston	85
Crenshaw	59	Madison	37		
Cullman	80	Marango	49	Total	55
Dale	55	Marion	81		

ARIZONA TERRITORY.

Apache	7	Pima	2	Yuma	9
Maricopa	1	Pinal	7		
Mohave	21	Yavapai	22	Total	10

ARKANSAS.

Arkansas	62	Greene	66	Phillips	48
Ashley	71	Hempstead	63	Pike	76
Baxter	72	Hot Spring	71	Poinsett	77
Benton	54	Howard	64	Polk	65
Boone	56	Independence	66	Pope	59
Bradley	76	Lard	73	Prairie	65
Calhoun	75	Jackson	69	Pulaski	53
Carroll	50	Jefferson	57	Randolph	67
Chicot	63	Johnson	62	Saint Francis	65
Clark	63	La Fayette	63	Saline	70
Clay	68	Lawrence	66	Scott	75
Columbia	68	Lee	65	Searcy	43
Conway	61	Lincoln	77	Sebastian	56
Craighead	67	Little River	73	Sevier	72
Crawford	37	Logan	63	Sharp	72
Crittenden	54	Lonoke	63	Stone	69
Cross	63	Madison	54	Union	65
Dallas	76	Marion	45	Van Buren	72
Desha	66	Miller	66	Washington	53
Dorsey	77	Mississippi	69	White	69
Drew	76	Monroe	68	Woodruff	55
Faulkner	74	Montgomery	40	Yell	70
Franklin	58	Nevada	63		
Fulton	33	Newton	57	Total	65
Garland	80	Osachita	69		
Grant	81	Perry	76		

CALIFORNIA.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Alameda	2	Mendocino	29	Santa Clara	3
Alpine	15	Merced	1	Santa Cruz	20
Amador	24	Modoc	4	Shasta	24
Butte	8	Monro	1	Sierra	12
Calaveras	22	Monterey	4	Siskiyou	12
Colusa	7	Napa	31	Solano	5
Contra Costa	2	Nevada	46	Sonoma	12
Del Norte	25	Placer	21	Stanislaus	2
El Dorado	39	Plumas	15	Sutter	4
Fresno	4	Sacramento	3	Tebama	6
Humboldt	22	San Benito	3	Trinity	11
Inyo	39	San Bernardino	2	Tulare	7
Kern	45	San Diego	1	Tuolumne	33
Lake	5	San Francisco	2	Ventura	3
Lassen	5	San Joaquin	5	Yola	7
Los Angeles	1	San Luis Obispo	11	Yuba	14
Marin	7	San Mateo	12		
Mariposa	40	Santa Barbara	5	Total	10

COLORADO.

Arapahoe	1	Fremont	30	Ouray	11
Bent	8	Giipin	30	Park	10
Boulder	4	Grand	1	Pueblo	7
C. arce	66	Gunnison	30	Rio Grande	1
Clear Creek	2	Hinsdale	5	Routt	1
Conejos	2	Huerfano	7	Saguache	1
Costilla	3	Jefferson	9	San Juan	1
Custer	3	Lake	2	Summit	1
Douglas	3	La Plata	2	Weld	1
Elbert	1	Larimer	2		
El Paso	4	Las Animas	1	Total	4

CONNECTICUT.

Fairfield	21	New Haven	26	Windham	30
Hartford	25	New London	27		
Litchfield	25	Tolland	29	Total	26
Middlesex	33				

DAKOTA TERRITORY.

Aurora	26	Grand Forks	7	Potter	11
Barnes	5	Grant	1	Pratt	1
Beadle	1	Gregory	1	Presho	1
Billings	1	Hamlin	1	Ramsey	16
Bon Homme	1	Hand	1	Ransom	8
Boreman	69	Hanson	2	Renville	1
Bottin-au	1	Howard	1	Richland	6
Brookings	1	Hughes	20	Rolette	1
Brown	3	Hutchinson	1	Rush	1
Brule	1	Hyde	1	Shaunon	3
Buffalo	1	Kidder	1	Sheridan	1
Burlingh	6	Kingsbury	1	Spink	3
Campbell	63	Lake	1	Stanley	1
Cass	1	La Moure	1	Stark	1
Cavillier	1	Lawrence	3	Stevens	1
Charles Mix	23	Lincoln	1	Stutsman	1
Cheyenne	1	Logan	1	Sully	1
Clark	1	Lugenbeel	1	Todd	1
Clay	3	Lyman	1	Trail	4
Codington	1	McCook	1	Tripp	1
Custer	1	McHenry	1	Turner	1
Davison	1	McPherson	1	Union	4
Day	36	Mandan	1	Wallerette	1
Delano	1	Mercer	1	Walworth	66
De Smet	1	Meyer	1	White River	1
Denel	1	Miner	1	Williams	1
Douglas	1	Minnehaha	1	Yankton	1
Edmunds	1	Moody	1	Ziebach	1
Emmons	3	Morton	1	Sisseton and Wahpeton	1
Faulk	1	Mountain	1	Indian Reservation	1
Forayth	1	Pembina	9		
Foster	14	Pennington	1	Total	2
Gingras	1				

DELAWARE.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Kent	22	New Castle	10	Sussex	36
				Total	26

DISTRICT OF COLUMBIA.

Total for the District of Columbia	18
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FLORIDA.

Alachua	62	Hillsborough	81	Polk	56
Baker	96	Holmes	50	Putnam	77
Bradford	65	Jackson	57	Saint John's	84
Brevard	90	Jefferson	37	Santa Rosa	79
Calhoun	78	La Fayette	67	Sumter	76
Clay	82	Leon	31	Suwannee	65
Columbia	69	Levy	66	Taylor	71
Dade		Liberty	91	Volusia	83
Duval	87	Madison	52	Wakulla	79
Escambia	84	Manatee	65	Walton	62
Franklin	67	Marion	68	Washington	52
Gadsden	59	Monroe	62		
Hamilton	69	Nassau	89	Total	66
Hernando	78	Orange	85		

GEORGIA.

Appling	96	Floyd	57	Oconee	26
Baker	40	Forsyth	46	Oglethorpe	26
Baldwin	40	Franklin	55	Paulding	59
Banks	68	Fulton	51	Pickens	74
Bartow	55	Gilmer	80	Pierce	88
Berrien	91	Glascocock	48	Pike	37
Bibb	45	Glynn	88	Polk	53
Brooks	70	Gordon	61	Pulaski	55
Bryan	92	Greene	32	Putnam	36
Bulloch	91	Gwinnett	53	Quitman	39
Burke	43	Habersham	81	Raeun	89
Butts	37	Hall	66	Randolph	43
Calhoun	54	Hancock	72	Richmond	62
Camden	90	Haralson	37	Rockdale	32
Campbell	46	Harris	47	Schley	31
Carroll	61	Har	52	Screven	70
Catoosa	58	Heard	50	Spalding	40
Charlton	95	Henry	40	Stewart	31
Chatham	62	Houston	39	Sumter	47
Chattahoochee	41	Irwin	94	Talbot	34
Chattooga	62	Jackson	47	Taliaferro	36
Cherokee	63	Jasper	27	Tattnall	94
Clarke	44	Jefferson	35	Taylor	53
Clay	50	Johnson	72	Telfair	82
Clayton	42	Jones	25	Terrell	54
Clinch	92	Laurens	67	Thomas	63
Cobb	42	Lee	41	Towns	73
Coffee	91	Liberty	81	Troup	25
Colquitt	91	Lincoln	18	Twiggs	80
Columbia	27	Lowndes	79	Union	74
Coweta	33	Lumpkin	75	Upson	36
Crawford	37	McDuffie	89	Walker	61
Dade	68	McIntosh	79	Walton	44
Dawson	66	Macon	45	Ware	92
Decatur	72	Madison	48	Warren	32
De Kalb	48	Marion	49	Washington	47
Dodge	87	Meriwether	35	Wayne	96
Dooley	57	Miller	71	Webster	40
Dougherty	40	Milton	46	White	77
Douglas	65	Mitchell	56	Whitfield	62
Early	60	Monroe	38	Wilcox	89
Echols	85	Montgomery	90	Wilkes	23
Effingham	84	Morgan	37	Wilkinson	39
Elbert	34	Murray	27	Worth	76
Emanuel	89	Muscogee	33		
Fannin	81	Newton	34	Total	59
Fayette	46				

IDAHO TERRITORY.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Ada.....	8	Idaho.....	3	Owyhee.....	19
Alturas.....	20	Kootenai.....	27	Shoshone.....	5
Bear Lake.....		Lemhi.....	3	Washington.....	
Boise.....	8	Nez Perces.....		Total.....	4
Cassia.....		Oneida.....	1		

ILLINOIS.

Adams.....	20	Henderson.....	14	Ogle.....	10
Alexander.....	51	Henry.....	4	Peoria.....	18
Bond.....	14	Iroquois.....	4	Perry.....	34
Boone.....	13	Jackson.....	36	Piatt.....	3
Brown.....	31	Jasper.....	29	Pike.....	25
Bureau.....	8	Jefferson.....	33	Pope.....	44
Calhoun.....	58	Jersey.....	26	Pulaski.....	46
Carroll.....	9	Jo Daviess.....	29	Putnam.....	26
Cass.....	28	Johnson.....	46	Randolph.....	37
Champaign.....	2	Kane.....	11	Richland.....	24
Christian.....	6	Kankakee.....	2	Rock Island.....	13
Clark.....	31	Kendall.....	5	Saint Clair.....	17
Clay.....	23	Knox.....	10	Saline.....	37
Clinton.....	16	Lake.....	16	Sangamon.....	7
Coles.....	11	La Salle.....	7	Schnyler.....	38
Cook.....	5	Lawrence.....	27	Scott.....	20
Crawford.....	29	Lee.....	3	Shelby.....	15
Cumberland.....	19	Livingston.....	2	Stark.....	6
De Kalb.....	4	Logan.....	6	Stephenson.....	11
De Witt.....	9	McDonough.....	13	Tazewell.....	15
Douglas.....	6	McHenry.....	12	Union.....	42
Du Page.....	7	McLean.....	5	Vermillion.....	8
Edgar.....	10	Macon.....	5	Wabash.....	34
Edwards.....	32	Macoupin.....	17	Warren.....	8
Effingham.....	24	Madison.....	11	Washington.....	24
Fayette.....	28	Marion.....	25	Wayne.....	33
Ford.....	1	Marshall.....	12	White.....	33
Franklin.....	34	Mason.....	11	Whiteside.....	5
Fulton.....	28	Massac.....	45	Will.....	5
Gallatin.....	38	Menard.....	13	Williamson.....	40
Greene.....	23	Mercer.....	11	Winnebago.....	10
Grundy.....	4	Monroe.....	34	Woodford.....	10
Hamilton.....	33	Montgomery.....	12	Total.....	16
Hancock.....	17	Morgan.....	17		
Hardin.....	43	Moultrie.....	10		

INDIANA.

Adams.....	43	Henry.....	27	Posey.....	23
Allen.....	35	Howard.....	31	Pulaski.....	21
Bartholomew.....	29	Huntington.....	35	Putnam.....	19
Benton.....	3	Jackson.....	39	Randolph.....	32
Blackford.....	40	Jasper.....	13	Ripley.....	33
Boone.....	32	Jay.....	40	Rush.....	24
Brown.....	46	Jefferson.....	28	Saint Joseph.....	26
Carroll.....	34	Jennings.....	31	Scott.....	31
Cass.....	32	Johnson.....	26	Shelby.....	27
Clark.....	31	Knox.....	27	Spencer.....	30
Clay.....	29	Kosciusko.....	32	Starke.....	29
Clinton.....	30	Lagrange.....	25	Steuben.....	27
Crawford.....	50	Lake.....	18	Sullivan.....	25
Daviess.....	27	La Porte.....	16	Switzerland.....	21
Dearborn.....	26	Lawrence.....	32	Tippecanoe.....	15
Decatur.....	28	Madison.....	33	Tipton.....	35
De Kalb.....	33	Marion.....	27	Union.....	26
Delaware.....	30	Marshall.....	29	Vanderburgh.....	24
Dubois.....	47	Martin.....	41	Vermillion.....	22
Elkhart.....	25	Miami.....	32	Vigo.....	23
Fayette.....	23	Monroe.....	39	Wabash.....	31
Floyd.....	35	Montgomery.....	24	Warren.....	15
Fountain.....	26	Morgan.....	33	Warrick.....	31
Franklin.....	32	Newton.....	9	Washington.....	37
Fulton.....	26	Noble.....	29	Wayne.....	23
Gibson.....	30	Ohio.....	24	Wells.....	40
Grant.....	33	Orange.....	38	White.....	15
Greene.....	28	Owen.....	25	Whitely.....	37
Hamilton.....	31	Parke.....	29	Total.....	29
Hancock.....	31	Perry.....	55		
Harrison.....	38	Pike.....	28		
Hendricks.....	26	Porter.....	16		

IOWA.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Adair	3	Franklin	3	Montgomery	4
Adams	6	Fremont	10	Muscataine	12
Allamakee	34	Greene	5	O'Brien	1
Appanoose	22	Grundy	1	Osceola	3
Audubon	3	Guthrie	9	Page	6
Benton	5	Hamilton	5	Palo Alto	5
Black Hawk	6	Hancock	2	Plymouth	1
Boone	6	Hardin	8	Pocahontas	2
Bremer	10	Harrison	12	Polk	11
Buchanan	9	Henry	16	Pottawattamie	6
Buena Vista	1	Howard	7	Poweshiek	5
Butler	5	Humboldt	3	Ringgold	10
Calhoun	3	Ida	1	Sac	2
Carroll	2	Iowa	9	Scott	6
Cass	4	Jackson	28	Shelby	3
Cedar	10	Jasper	7	Sioux	1
Cerro Gordo	3	Jefferson	22	Story	6
Cherokee	1	Johnson	15	Tama	6
Quickasaw	10	Jones	17	Taylor	8
Clarke	14	Keokuk	13	Union	7
Clay	4	Kossuth	4	Van Buren	31
Clayton	34	Lee	26	Wapello	19
Clinton	6	Linn	15	Warren	11
Crawford	2	Louisia	19	Washington	13
Dallas	10	Lucas	12	Wayne	9
Davis	27	Lyon	5	Webster	9
Decatur	22	Madison	15	Winnebago	8
Delaware	17	Mahaska	13	Winneschiek	15
Des Moines	25	Marion	17	Woodbury	6
Dickinson	6	Marshall	5	Worth	5
Dubuque	24	Mills	10	Wright	4
Emmet	5	Mitchell	7		
Fayette	15	Monona	7	Total	11
Floyd	7	Monroe	22		

KANSAS.

Allen	4	Greeley .....	.....	Pottawatomie	10
Anderson	8	Greenwood	8	Pratt .....	.....
Arapahoe .....	.....	Hamilton .....	.....	Rawlins .....	.....
Atebison	16	Harper .....	.....	Reno	1
Barbour	9	Harvey	1	Republic	2
Barton .....	.....	Hodgeman .....	.....	Rice	1
Bourbon	11	Jackson	12	Riley	6
Brown	6	Jefferson	18	Rooks	1
Buffalo .....	.....	Jewell	2	Rush .....	.....
Butler	4	Johnson	10	Russell	1
Chase	9	Kansas .....	.....	Saline	2
Chautauqua	14	Kearney .....	.....	Scott .....	.....
Cherokee	6	Kingman .....	.....	Sedgwick	1
Cheyenne .....	.....	Labette	4	Squoyah .....	.....
Clarke .....	.....	Lane .....	.....	Seward .....	.....
Clay	2	Leavenworth	21	Shawnee	9
Cloud	2	Lincoln	2	Sheridan .....	.....
Coffey	8	Lin	13	Shorman .....	.....
Comanche	8	Lyon	8	Smith	2
Cowley	4	McPherson	1	Stafford	1
Crawford	4	Marion	2	Stanton .....	.....
Davis	7	Marshall	5	Stevens .....	.....
Decatur	1	Meale .....	.....	Sumner	1
Dickinson	1	Miami	12	Thomas .....	.....
Doniphan	18	Mitchell	1	Trego .....	.....
Douglas	12	Montgomery	6	Wallaunsee	6
Edwards .....	.....	Morris	5	Wallace .....	.....
Elk	6	Nemaha	9	Washington	3
Ellis .....	.....	Neosho	4	Wichita .....	.....
Ellsworth .....	.....	Ness	2	Wilson	7
Foote .....	.....	Norton	1	Woodson	7
Ford .....	.....	Osage	5	Wyandotte	30
Franklin	11	Osborne	2		
Gove .....	.....	Ottawa	2	Total	5
Graham .....	.....	Pawnee .....	.....	
Grant .....	.....	Phillips	2		

KENTUCKY.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Adair	50	Graves	48	Mercer	16
Allen	53	Grayson	54	Metcalfe	45
Anderson	23	Green	39	Monroe	55
Ballard	53	Greenup	61	Montgomery	22
Barren	39	Hancock	40	Morgan	73
Bath	24	Hardin	40	Muhlenburgh	56
Bell	79	Harlan	88	Nelson	34
Boone	16	Harrison	17	Nicholas	15
Bourbon	5	Hart	50	Ohio	51
Boyd	54	Henderson	33	Oldham	18
Boyle	21	Henry	21	Owen	23
Bracken	15	Hickman	46	Owsley	70
Breathitt	89	Hopkins	47	Pendleton	26
Breckinridge	51	Jackson	69	Perry	91
Bullitt	50	Jefferson	20	Pike	87
Butler	60	Jessamine	12	Powell	75
Caldwell	44	Johnson	66	Pulaski	52
Calloway	57	Kenton	16	Robertson	19
Campbell	17	Knox	73	Rock Castle	58
Carroll	20	La Rue	42	Rowan	70
Carter	65	Laurel	64	Russell	55
Casey	67	Lawrence	57	Scott	7
Christian	41	Lee	76	Shelby	18
Clark	12	Leslie	89	Simpson	35
Clay	78	Letcher	88	Spencer	24
Clinton	43	Lewis	50	Taylor	43
Crittenden	51	Lincoln	32	Told	39
Cumberland	60	Livingston	52	Trigg	49
Daviess	32	Logan	39	Trimble	28
Edmonson	53	Lyon	53	Union	27
Elliot	70	McCracken	46	Warren	33
Estill	69	McLean	48	Washington	23
Fayette	2	Madison	20	Wayne	59
Fleming	25	Magoffin	79	Webster	41
Floyd	80	Marion	39	Whitley	73
Franklin	21	Marshall	59	Wolfe	70
Fulton	41	Martin	93	Woodford	10
Gallatin	14	Mason	11		
Garrard	14	Meade	42	Total	47
Grant	22	Menifee	80		

LOUISIANA.

Ascension	39	Jackson	69	Saint James	40
Assumption	49	Jefferson	50	Saint John Baptist	31
Avoyelles	48	La Fayette	8	Saint Landry	35
Bienvenue	65	La Fourche	51	Saint Martin's	29
Bossier	63	Lincoln	53	Saint Mary's	38
Caddo	54	Livingston	84	Saint Tammany	83
Calcasieu	50	Madison	55	Tangipahoa	79
Caldwell	73	Morehouse	64	Tensas	47
Cameron	12	Natchitoches	71	Terre Bonne	65
Catahoula	70	Orleans	51	Union	65
Claiborne	58	Ouachita	65	Vermillion	12
Concordia	56	Plaquemines	31	Vernon	53
De Soto	54	Point Coupée	50	Washington	86
East Baton Rouge	62	Rapides	63	Webster	66
East Carroll	39	Red River	63	West Baton Rouge	62
East Feliciana	41	Richland	68	West Carroll	58
Franklin	72	Sabine	72	West Feliciana	46
Grant	57	Saint Bernard	53	Winn	72
Iberia	19	Saint Charles	46		
Iberville	49	Saint Helena	78	Total	55

MAINE.

Androscoggin	29	Knox	30	Somerset	42
Aroostook	60	Lincoln	29	Waldo	31
Cumberland	36	Oxford	48	Washington	38
Franklin	41	Penobscot	41	York	32
Hancock	46	Piscataquis	54		
Kennebec	28	Sagadahoc	31	Total	41

MARYLAND.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Alleghany.....	52	Dorchester.....	41	Saint Mary's.....	43
Anne Arundel.....	28	Frederick.....	20	Somerset.....	44
Baltimore (city).....	7	Garrett.....	50	Talbot.....	28
Baltimore.....	25	Harford.....	28	Washington.....	21
Calvert.....	32	Howard.....	29	Wicomico.....	50
Caroline.....	36	Kent.....	14	Worcester.....	45
Carroll.....	20	Montgomery.....	27	Total.....	32
Cecil.....	27	Prince George's.....	33		
Charles.....	44	Queen Anne.....	20		

MASSACHUSETTS.

Barnstable.....	52	Hampden.....	30	Suffolk.....	9
Berkshire.....	27	Hampshire.....	25	Worcester.....	28
Bristol.....	42	Middlesex.....	28	Total.....	30
Dukes.....	21	Nantucket.....	1		
Essex.....	22	Norfolk.....	38		
Franklin.....	27	Plymouth.....	49		

MICHIGAN.

Alcona.....	82	Huron.....	47	Montcalm.....	44
Allegan.....	28	Ingham.....	25	Montmorency.....	53
Alpena.....	78	Ionia.....	24	Muskegon.....	52
Antrim.....	71	Iosco.....	37	Newaygo.....	21
Baraga.....	51	Isabella.....	54	Oakland.....	55
Barry.....	29	Isle Royale.....	17	Oceana.....	85
Bay.....	46	Jackson.....	17	Ogemaw.....	55
Benzie.....	72	Kalamazoo.....	75	Ontonagon.....	60
Berrien.....	28	Kalkaska.....	22	Osceola.....	85
Branch.....	22	Kent.....	22	Oscoda.....	31
Calhoun.....	18	Keweenaw.....	29	Otsego.....	86
Cass.....	24	Lake.....	68	Ottawa.....	68
Charlevoix.....	75	Lapeer.....	21	Presque Isle.....	44
Cheboygan.....	70	Leclenaw.....	22	Roscommon.....	26
Chippewa.....	59	Lenawee.....	71	Saginaw.....	19
Clare.....	23	Livingston.....	22	Saint Clair.....	34
Clinton.....	82	Mackinac.....	67	Saint Joseph.....	69
Crawford.....	50	Macomb.....	54	Sanilac.....	27
Delta.....	27	Manistee.....	71	Schoolcraft.....	42
Eaton.....	86	Manitou.....	69	Shiawassee.....	28
Emmet.....	28	Marquette.....	56	Tuscola.....	18
Genesee.....	74	Mason.....	62	Van Buren.....	21
Gladwin.....	61	Mecosta.....	73	Washtenaw.....	66
Grand Traverse.....	45	Menominee.....	29	Wayne.....	
Gratiot.....	22	Midland.....		Wexford.....	
Hillsdale.....	48	Missaukee.....		Total.....	32
Houghton.....		Monroe.....			

MINNESOTA.

Aitkin.....	82	Isanti.....	20	Ramsey.....	26
Anoka.....	35	Itasca.....	1	Redwood.....	1
Becker.....	35	Jackson.....	82	Renville.....	3
Beltzrami.....	36	Kanabec.....	6	Rice.....	20
Benton.....	1	Kandiyohi.....	1	Rock.....	72
Big Stone.....	14	Kittson.....	1	Saint Louis.....	27
Blue Earth.....	6	Lac-qui-parle.....	87	Scott.....	21
Brown.....	81	Lake.....	45	Sherburne.....	20
Carlton.....	42	Le Sueur.....	1	Sibley.....	24
Carver.....	1	Lincoln.....	23	Stearns.....	7
Cass.....	2	Lyon.....	1	Steele.....	2
Chippewa.....	57	McLeod.....	2	Stevens.....	53
Chisago.....	5	Marshall.....	19	Swift.....	
Clay.....	82	Martin.....	41	Todd.....	
Cook.....	15	Meeker.....	33	Traverse.....	10
Cottonwood.....	13	Mille Lacs.....	4	Wabasha.....	55
Crow Wing.....	8	Morrison.....	11	Wadena.....	8
Dakota.....	32	Mower.....	26	Waseca.....	26
Dodge.....	3	Murray.....	1	Washington.....	1
Douglas.....	17	Nicollet.....	21	Watonwan.....	23
Faribault.....	4	Nobles.....	21	Wilkin.....	47
Fillmore.....	12	Olmsted.....	69	Winona.....	2
Freeborn.....	2	Otter Tail.....	6	Wright.....	
Goodhue.....	29	Pine.....	6	Yellow Medicine.....	
Grant.....	2	Pipe Stone.....	6	Total.....	15
Hennepin.....	2	Polk.....			
Houston.....	36	Pope.....			

MISSISSIPPI.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Adams	32	Jackson	82	Prentiss	63
Alcorn	58	Jasper	64	Quitman	75
Amite	67	Jefferson	46	Rankin	63
Attala	62	Jones	80	Scott	71
Benton	58	Kemper	56	Sharkey	68
Bolivar	53	La Fayette	64	Simpson	74
Calhoun	69	Lauderdale	60	Smith	78
Carroll	63	Lawrence	75	Sumner	65
Chickasaw	49	Leake	70	Sunflower	73
Choctaw	67	Lee	48	Tallahatchie	61
Claiborne	34	Le Flore	73	Tate	35
Clarke	47	Lincoln	69	Tippah	59
Clay	44	Lowndes	40	Tishomingo	76
Coahoma	64	Madison	38	Tunica	65
Copiah	58	Marion	82	Union	57
Covington	77	Marshall	41	Warren	51
De Soto	39	Monroe	54	Washington	44
Franklin	70	Montgomery	56	Wayne	59
Greene	64	Neshoba	74	Wilkinson	53
Grenada	61	Newton	69	Winston	74
Hancock	16	Noxubee	40	Yalobusha	56
Harrison	87	Oktibbeha	49	Yazoo	56
Hinds	39	Panola	48		
Holmes	43	Perry	88	Total	58
Issaquena	59	Pike	74		
Itawamba	74	Pontotoc	53		

MISSOURI.

Adair	31	Grundy	23	Perry	60
Andrew	23	Harrison	21	Pettes	17
Atchison	10	Henry	19	Phelps	66
Audain	11	Hickory	53	Pike	31
Barry	48	Holt	21	Platte	26
Barton	12	Howard	28	Polk	47
Bates	17	Howell	74	Pulaski	68
Benton	45	Iron	60	Putnam	31
Bollinger	66	Jackson	23	Ralls	23
Boone	24	Jasper	19	Randolph	25
Buchanan	22	Jefferson	62	Ray	24
Butler	73	Johnson	22	Reynolds	68
Caldwell	18	Knox	20	Ripley	74
Callaway	38	Laclede	63	Saint Charles	32
Camden	71	La Fayette	18	Saint Clair	40
Cape Girardeau	52	Lawrence	38	Saint Francois	58
Carrroll	20	Lewis	28	Saint Genevieve	66
Carter	76	Lincoln	42	Saint Louis (city)	5
Cass	17	Linn	20	Saint Louis	21
Cedar	53	Livingston	22	Saline	18
Chariton	22	McDonald	54	Schuyler	31
Christian	59	Macon	28	Scotland	24
Clarks	26	Madison	62	Scott	56
Clay	23	Maries	62	Shannon	77
Clinton	18	Marion	28	Shelby	21
Cole	52	Mercer	29	Stoddard	57
Cooper	30	Miller	68	Stone	58
Crawford	69	Mississippi	38	Sullivan	33
Dade	44	Moniteau	38	Taney	70
Dallas	60	Monroe	23	Texas	75
Daviess	24	Montgomery	32	Vernon	19
De Kalb	17	Morgan	44	Warren	49
Dent	77	New Madrid	51	Washington	65
Douglas	70	Newton	38	Wayne	60
Dunklin	54	Nodaway	13	Webster	61
Franklin	55	Oregon	82	Worth	20
Gasconade	72	Osage	70	Wright	73
Gentry	23	Ozark	71		
Greene	44	Pemiscot	74	Total	36

MONTANA TERRITORY.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Beaver Head	-----	Gallatin	1	Missoula	3
Choteau	-----	Jefferson	-----	Total	1
Custer	3	Lewis and Clarke	1		
Dawson	-----	Madison	-----		
Deer Lodge	-----	Meagher	-----		

NEBRASKA.

Adams	1	Gage	4	Phelps	-----
Antelope	4	Gosper	1	Pierce	-----
Bor ne	-----	Greeley	-----	Platte	1
Buffalo	-----	Hall	1	Polk	5
Burt	3	Hamilton	1	Red Willow	4
Butler	2	Harlan	2	Richardson	9
Cass	7	Hayes	14	Saline	3
Cedar	5	Hitchcock	5	Sarpy	15
Chase	-----	Holt	5	Saunders	2
Cheyenne	-----	Howard	1	Seward	3
Clay	1	Jefferson	3	Sherman	27
Colfax	1	Johnson	6	Sioux	-----
Cuming	3	Kearney	1	Stanton	5
Custer	-----	Keith	-----	Thayer	3
Dakota	7	Knox	3	Valley	-----
Dawson	1	Lancaster	2	Washington	5
Dixon	4	Lincoln	-----	Wayne	1
Dodge	2	Madison	3	Webster	2
Douglas	6	Merrick	2	Wheeler	-----
Dundy	-----	Nance	1	York	2
Fillmore	1	Nemaha	9	Unorganized ter.	4
Franklin	2	Nuckolls	4	Total	3
Frontier	7	Otoe	6		
Furnas	2	Pawnee	5		

NEVADA.

Churchill	12	Lander	1	Stoney	-----
Douglas	12	Lincoln	2	Washoe	5
Elko	2	Lyon	6	White Pine	1
Esmeralda	-----	Nye	5	Total	4
Eureka	-----	Ormsby	-----		
Humboldt	1	Roop	-----		

NEW HAMPSHIRE.

Belknap	28	Grafton	36	Strafford	30
Carroll	45	Hillsborough	31	Sullivan	26
Cheshire	40	Merrimack	33	Total	35
Coos	45	Rockingham	30		

NEW JERSEY.

Atlantic	71	Hudson	4	Salem	14
Bergen	20	Hunterdon	11	Somerset	10
Burlington	23	Mercer	11	Sussex	26
Camden	26	Middlesex	19	Union	17
Cape May	39	Monmouth	20	Warren	18
Cumberland	26	Morris	34	Total	24
Essex	17	Ocean	53		
Gloucester	18	Passaic	53		

NEW MEXICO TERRITORY.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Bernalillo	41	Mora	19	Taos	29
Colfax	6	Rio Cerrito	51	Valencia	29
Doña Ana	7	San Miguel	71		
Grant	24	Santa Fé		Total	35
Lincoln		Socorro	18		

NEW YORK.

Albany	14	Jefferson	16	Saint Lawrence	22
Allegany	27	Kings	2	Saratoga	21
Broome	25	Lewis	32	Schenectady	12
Cattaraugus	31	Livingston	17	Schoharie	21
Cayuga	14	Madison	17	Schuyler	19
Chautauqua	21	Monroe	8	Seneca	10
Chemung	20	Montgomery	10	Steuben	25
Chenango	19	New York	18	Suffolk	44
Clinton	24	Niagara	10	Sullivan	47
Columbia	13	Oneida	17	Tioga	21
Cortland	19	Onondaga	11	Tompkins	17
Delaware	35	Ontario	15	Ulster	38
Duchess	16	Orange	23	Warren	40
Erie	15	Orleans	10	Washington	21
Essex	42	Oswego	20	Wayne	12
Franklin	27	Otsego	21	Westchester	16
Fulton	23	Putnam	25	Wyoming	18
Genesee	13	Queens	17	Yates	15
Greene	29	Rensselaer	13		
Hamilton	70	Richmond	17	Total	22
Herkimer	17	Rockland	38		

NORTH CAROLINA.

Alamance	34	Franklin	55	Pamlico	80
Alexander	56	Gaston	48	Pasquotank	45
Alleghany	50	Gates	60	Pender	87
Anson	53	Graham	80	Perquimans	52
Ashe	58	Granville	41	Person	44
Beaufort	82	Greene	51	Pitt	65
Bertie	64	Guilford	30	Polk	74
Bladen	85	Halifax	50	Randolph	60
Brunswick	93	Harnett	76	Richmond	69
Buncombe	66	Haywood	68	Robeson	73
Burke	70	Henderson	66	Rockingham	47
Cabarrus	43	Hertford	64	Rowan	41
Caldwell	73	Hyde	54	Rutherford	66
Camden	63	Iredell	47	Sampson	72
Carteret	73	Jackson	79	Stanley	55
Caswell	32	Johnston	70	Stokes	58
Catawba	50	Jones	70	Surry	67
Chatham	49	Lenoir	57	Swain	88
Cherokee	82	Lincoln	53	Transylvania	77
Chowan	52	McDowell	74	Tyrrell	72
Clay	68	Macon	78	Union	56
Cleveland	49	Madison	67	Wake	50
Columbus	89	Martin	72	Warren	55
Craven	78	Mecklenburg	39	Washington	70
Cumberland	79	Mitchell	70	Watauga	66
Currituck	42	Montgomery	74	Wayne	59
Dare	77	Moore	77	Wilkes	69
Davidson	42	Nash	64	Wilson	62
Davie	42	New Hanover	78	Yadkin	45
Duplin	76	Northampton	53	Yancey	69
Edgecombe	46	Onslow	78		
Forsyth	42	Orange	47	Total	62

OHIO.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Adams	39	Hamilton	13	Noble	22
Allen	33	Hancock	34	Ottawa	30
Ashtabula	22	Hardin	35	Faulding	53
Ashtabula	21	Harrison	17	Perry	19
Athens	30	Henry	40	Pickaway	16
Auglaize	32	Highland	23	Pike	39
Belmont	21	Hocking	29	Portage	19
Brown	21	Holmes	26	Preble	25
Butler	16	Huron	14	Putnam	42
Carroll	21	Jackson	25	Richland	24
Champaign	22	Jefferson	27	Ross	26
Clarke	17	Knox	21	Sandusky	25
Clermont	16	Lake	17	Scioto	44
Clinton	19	Lawrence	44	Seneca	24
Columbiana	22	Licking	17	Shelby	31
Coshocton	25	Logan	29	Stark	17
Crawford	23	Lorain	15	Summit	16
Cuyahoga	13	Lucas	27	Trumbull	20
Darke	30	Madison	15	Tuscarawas	20
Defiance	43	Mahoning	22	Union	27
Delaware	22	Marion	20	Van Wert	42
Erie	12	Medina	18	Vinton	31
Fairfield	19	Meigs	28	Warren	19
Fayette	17	Mercer	39	Washington	25
Franklin	17	Miami	20	Wayne	22
Fulton	33	Monroe	29	Williams	32
Gallia	27	Montgomery	18	Wood	36
Geauga	20	Morgan	21	Wyandot	24
Greene	20	Morrow	21		
Guernsey	22	Muskingum	21	Total	24

PENNSYLVANIA.

Adams	21	Elk	63	Montour	19
Allegheny	19	Erie	24	Northampton	10
Armstrong	27	Fayette	32	Northumberland	21
Beaver	25	Forest	60	Perry	39
Bedford	47	Franklin	25	Philadelphia	4
Berks	16	Fulton	50	Pike	73
Blair	29	Greene	24	Potter	44
Bradford	23	Huntingdon	46	Schuylkill	39
Bucks	11	Indiana	30	Snyder	24
Butler	28	Jefferson	44	Somerset	40
Cambria	47	Juniata	41	Sullivan	43
Cameron	73	Lackawanna	25	Susquehanna	28
Carbon	53	Lancaster	10	Tioga	39
Centre	38	Lawrence	20	Union	26
Chester	13	Lebanon	18	Venango	34
Clarion	35	Lehigh	12	Warren	47
Clearfield	51	Luzerne	43	Washington	16
Clinton	46	Lycoming	38	Wayne	38
Columbia	27	McKean	53	Westmoreland	25
Crawford	27	Mercer	24	Wyoming	30
Cumberland	16	Mifflin	36	York	18
Dauphin	19	Monroe	47		
Delaware	10	Montgomery	8	Total	29

RHODE ISLAND.

Bristol	16	Newport	12	Washington	33
Kent	43	Providence	42	Total	35

SOUTH CAROLINA.

Abbeville	19	Fairfield	28	Oconee	75
Aiken	72	Georgetown	86	Orangeburg	60
Anderson	34	Greenville	48	Pickens	60
Barnwell	60	Hampton	63	Richland	63
Beaufort	65	Horry	92	Spartanburg	40
Charleston	71	Kershaw	55	Sumter	60
Chester	23	Lancaster	40	Union	26
Chesterfield	69	Laurens	21	Williamsburg	79
Clarendon	66	Lexington	68	York	40
Colleton	72	Marion	74		
Darlington	59	Marlborough	62	Total	54
Edgefield	33	Newberry	21		

TENNESSEE.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Anderson	56	Hancock	57	Morgan	30
Bedford	29	Hardeman	53	Obion	32
Benton	72	Hardin	71	Overton	49
Bledsoe	55	Hawkins	50	Perry	79
Blount	55	Haywood	43	Polk	65
Bradley	48	Henderson	57	Pntnam	66
Campbell	71	Henry	50	Rhea	62
Cannon	49	Hickman	73	Roane	60
Carroll	52	Houston	75	Robertson	40
Carter	71	Humphreys	77	Rutherford	37
Cheatham	61	James	61	Scott	87
Claiborne	61	Jefferson	59	Sequatchie	71
Clay	64	Johnson	73	Seyler	69
Cocke	59	Knox	42	Shelby	37
Coffee	56	Lake	51	Smith	37
Crockett	48	Lauderdale	54	Stewart	72
Cumberland	87	Lawrence	76	Sullivan	47
Davidson	36	Lewis	84	Sumner	39
Decatur	70	Lincoln	39	Tipton	54
De Kalb	53	London	48	Trousdale	30
Dickson	68	McMinn	49	Unicoi	80
Dyer	60	McNairy	64	Union	52
Fayette	37	Macon	64	Van Buren	42
Fentress	77	Madison	64	Warren	56
Franklin	58	Marion	68	Washington	36
Gibson	46	Marshall	39	Wayne	78
Giles	42	Maury	33	Weakley	52
Grainger	49	Meigs	56	White	53
Greene	47	Monroe	63	Williamson	44
Grundy	76	Montgomery	42	Wilson	40
Hamblen	37	Moore	40	Total	54
Hamilton	61				

TEXAS.

Anderson	73	Comal	10	Gregg	59
Andrews	85	Comanche	46	Grimes	52
Angelina	85	Concho	28	Guadalupe	42
Aransas .....	...	Cook	43	Hale .....	...
Archer .....	...	Coryell .....	...	Hall .....	...
Armstrong .....	...	Cottle .....	...	Hamilton	17
Atacosta	59	Crockett	9	Hansford .....	...
Anstine	39	Crosby .....	...	Hardeman .....	...
Barley .....	...	Dallam .....	...	Hardin	90
Bandera	61	Dallas	24	Harris	45
Bastrop	50	Dawson .....	...	Harrison	56
Baylor .....	...	Deaf Smith .....	...	Hartley .....	...
Bee	26	Delta	44	Haskell .....	...
Bell	30	Denton	37	Hayes	21
Bexar	39	De Witt	25	Hemphill .....	...
Blanco	69	Dickens	76	Henderson	75
Borden .....	...	Dimmit	13	Hidalgo	97
Bosque	33	Donley	10	Hill	22
Bowie	61	Duval	69	Hockley .....	...
Brazoria	39	Eastland	10	Hood	39
Brazos	54	Edwards	91	Hopkins	44
Briscoe .....	...	Ellis	10	Houston	76
Brown	40	El Paso	23	Howard .....	...
Burleson	61	Encinal .....	...	Hunt	28
Burnet	54	Erath	56	Hutchinson .....	...
Caldwell	33	Falls	32	Jack	67
Calhoun .....	...	Fannin	42	Jackson	18
Callahan	46	Fayette	42	Jasper	74
Cameron	30	Fisher .....	...	Jefferson	20
Camp	64	Floyd .....	...	Johnson	25
Carson .....	...	Fort Bend	50	Jones .....	...
Cass	69	Franklin	66	Karnes	12
Castro .....	...	Freestone	67	Kaufman	35
Chambers	17	Frio	26	Kendall	68
Cherokee	72	Gaines .....	...	Kent .....	...
Childress .....	...	Gaiveston	4	Kerr	14
Clay	4	Garza .....	...	Kimble .....	...
Cochran .....	...	Gillespie	30	King .....	...
Coleman	12	Goliad	17	Kinney	38
Collin	26	Gonzales	57	Knox .....	...
Collingsworth .....	...	Gray .....	...	Lamar	45
Colorado	35	Grayson	25	Lamb .....	...

TEXAS—Continued.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Lampasas.....	62	Nueces.....	35	Stonewall.....	...
La Salle.....	7	Ochiltree.....	...	Swisher.....	...
Lavaca.....	49	Oldham.....	...	Tarrant.....	27
Lee.....	72	Orange.....	37	Taylor.....	87
Leon.....	64	Palo Pinto.....	36	Terry.....	...
Liberty.....	66	Panola.....	73	Throckmorton.....	...
Limestone.....	29	Parker.....	55	Titus.....	72
Lipscomb.....	...	Parnier.....	...	Tom Green.....	...
Live Oak.....	31	Pecos.....	...	Travis.....	43
Llano.....	65	Polk.....	50	Trinity.....	67
Lubbock.....	...	Potter.....	...	Tyler.....	84
Lynn.....	...	Presidio.....	13	Upshur.....	71
McCulloch.....	85	Rains.....	57	Uvalde.....	19
McLennan.....	18	Randall.....	...	Van Zandt.....	70
McMullen.....	...	Red River.....	61	Victoria.....	9
Madison.....	75	Refugio.....	2	Walker.....	71
Marion.....	68	Roberts.....	...	Waller.....	41
Martin.....	...	Robertson.....	48	Washington.....	30
Mason.....	41	Rockwall.....	22	Webb.....	50
Matagorda.....	19	Russels.....	...	Wharton.....	38
Maverick.....	...	Rusk.....	69	Wheeler.....	...
Medina.....	47	Sabine.....	80	Wichita.....	4
Menard.....	98	San Augustine.....	74	Wilbarger.....	...
Milan.....	57	San Jacinto.....	70	Williamson.....	26
Mitchell.....	...	San Patricio.....	...	Wilson.....	63
Montague.....	44	Sau Saba.....	45	Wise.....	61
Montgomery.....	76	Scurry.....	...	Wood.....	72
Moore.....	...	Shackelford.....	1	Yoakum.....	...
Morris.....	75	Shelby.....	78	Young.....	63
Motley.....	...	Sherman.....	...	Zapata.....	39
Nacogdoches.....	80	Smith.....	62	Zavala.....	22
Navarro.....	28	Somervell.....	68	Total.....	44
Newton.....	90	Starr.....	59		
Nolan.....	...	Stephens.....	36		

UTAH TERRITORY.

Beaver.....	...	Morgan.....	...	Uintah.....	...
Box Elder.....	...	Piute.....	...	Utah.....	...
Cache.....	...	Rich.....	...	Wasatch.....	2
Davis.....	...	Salt Lake.....	1	Washington.....	...
Emery.....	...	San Juan.....	16	Weber.....	1
Iron.....	1	San Pete.....	...	Total.....	...
Juab.....	...	Sevier.....	...		
Kane.....	4	Summit.....	...		
Millard.....	1	Tooele.....	...		

VERMONT.

Addison.....	27	Grand Isle.....	16	Windham.....	30
Bennington.....	37	Lamville.....	40	Windsor.....	25
Caledonia.....	32	Orange.....	26	Total.....	31
Chittenden.....	21	Orleans.....	40		
Essex.....	55	Rutland.....	26		
Franklin.....	29	Washington.....	37		

VIRGINIA.

Accomack.....	47	Buchanan.....	91	Elizabeth City.....	25
Albemarle.....	37	Buckingham.....	48	Essex.....	39
Alexandria.....	22	Campbell.....	41	Fairfax.....	39
Alleghany.....	73	Caroline.....	40	Fauquier.....	23
Amelia.....	36	Carroll.....	56	Floyd.....	50
Amherst.....	46	Charles City.....	49	Fluvanna.....	45
Appomattox.....	40	Charlotte.....	40	Franklin.....	49
Augusta.....	49	Chesterfield.....	45	Frederick.....	45
Bath.....	81	Clarke.....	21	Giles.....	55
Bedford.....	38	Craig.....	65	Gloucester.....	48
Bland.....	70	Culpeper.....	30	Goochland.....	39
Botetourt.....	46	Cumberland.....	31	Grayson.....	55
Brunswick.....	52	Dinwiddie.....	48	Greene.....	42

VIRGINIA—Continued.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Greensville	53	Nansemond	62	Rockingham	35
Halifax	32	Nelson	47	Russell	61
Hanover	40	New Kent	52	Scott	54
Henrico	37	Norfolk	52	Shenandoah	41
Henry	46	Northampton	40	Smyth	52
Highland	64	Northumberland	49	Southampton	46
Isle of Wight	67	Nottoway	39	Spottsylvania	52
James City	55	Orange	34	Stafford	53
King and Queen	43	Page	47	Surry	49
King George	41	Patrick	63	Sussex	45
King William	45	Pittsylvania	41	Tazewell	62
Lancaster	52	Powhatan	43	Warren	39
Lee	60	Prince Edward	35	Warwick	22
Loudoun	21	Prince George	47	Washington	47
Louisa	43	Princess Anne	50	Westmoreland	46
Lunenburg	41	Prince William	46	Wise	50
Madison	40	Pulaski	46	Wythe	45
Matthews	35	Rappahannock	31	York	38
Mecklenburg	45	Richmond	43		
Middlesex	39	Roanoke	45	Total	46
Montgomery	50	Rockbridge	46		

WASHINGTON TERRITORY.

Chehalis	53	Khkitat	15	Stevens .....	..
Clallam	65	Lewis	62	Thurston	46
Clarke	64	Mason	85	Wahkiakum	81
Columbia	2	Pacific	39	Walla Walla	5
Cowlitz	59	Pierce	39	Whatcom	66
Island	34	San Joan	57	Whitman	1
Jefferson	71	Skamania	52	Yakima	4
King	65	Snohomish	69		
Kitsap	95	Spokane	3	Total	31

WEST VIRGINIA.

Barbour	43	Kanawha	70	Putnam	61
Berkeley	25	Lewis	49	Raleigh	73
Bowie	85	Lincoln	73	Randolph	77
Braxton	69	Logan	89	Ritchie	61
Brooke	28	McDowell	89	Roane	65
Cabell	49	Marion	35	Summers	72
Calhoun	74	Marshall	39	Taylor	33
Clay	75	Mason	48	Tucker	77
Doddridge	64	Merced	70	Tyler	44
Fayette	70	Mineral	63	Upshur	49
Gilmer	71	Monongalia	34	Wayne	67
Grant	61	Monroe	50	Webster	84
Greenbrier	73	Morgan	60	Wetzel	60
Hampshire	63	Nicholas	71	Wirt	67
Hancock	28	Ohio	16	Wood	48
Hardy	76	Pendleton	77	Wyoming	75
Harrison	28	Pleasants	53		
Jackson	60	Pocahontas	70	Total	61
Jefferson	15	Preston	55		

WISCONSIN.

Adams	48	Dodge	12	Kenosha	10
Ashland .....	..	Door	41	Kewaunee	44
Barron	46	Douglas	27	La Crosse	40
Bayfield	73	Dunn	29	La Fayette	16
Brown	38	Eau Claire	23	Langlade	89
Buffalo	25	Fond du Lac	15	Lincoln	82
Burnett	52	Grant	32	Manitowoc	32
Calumet	30	Green	21	Marathon	77
Chippewa	46	Green Lake	18	Marinette	38
Clark	50	Iowa	36	Marquette	43
Columbia	21	Jackson	23	Milwaukee	15
Crawford	51	Jefferson	14	Monroe	38
Dane	22	Juneau	38	Oconto	60

WISCONSIN—Continued.

Counties.	Per cent.	Counties.	Per cent.	Counties.	Per cent.
Outagamie	33	Rock	14	Washington	26
Ozaukee	21	Saint Croix	15	Waukesha	18
Pepin	35	Sauk	40	Waupaca	50
Pierce	38	Shawano	70	Waushara	40
Polk	54	Sheboygan	26	Winnebago	14
Portage	47	Taylor	89	Wood	64
Price	93	Trempealeau	21		
Racine	11	Vernon	48	Total	31
Richland	52	Walworth	17		

WYOMING.

Albany	Johnson	1	Uintah
Carbon	Laramie	1		
Crook	Sweetwater	Total

J. R. DODGE,
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at the World's Industrial and Cotton Exhibition.*



